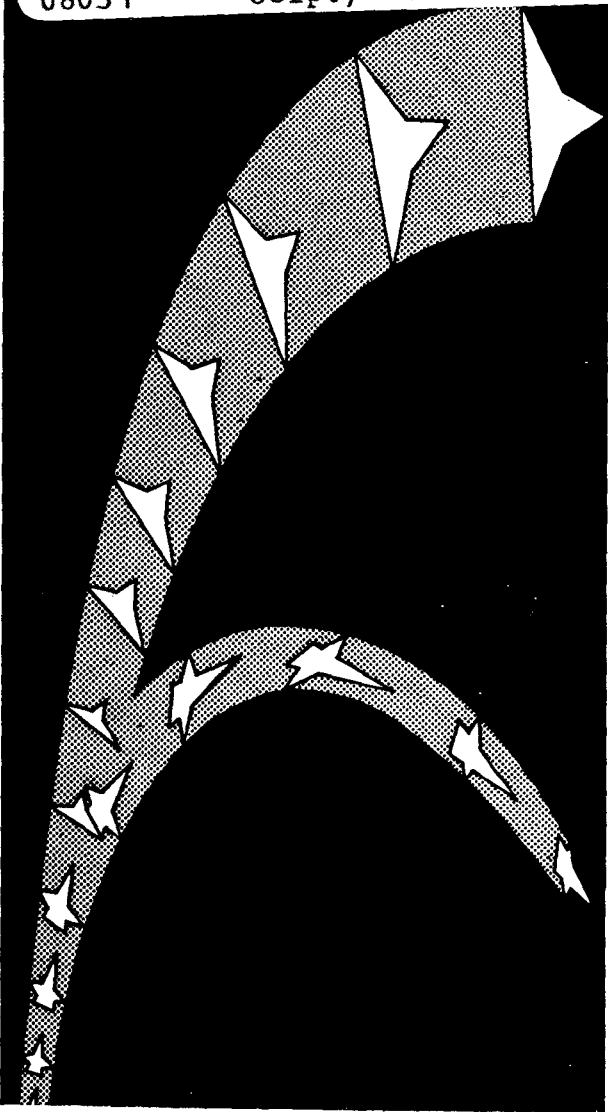


N72-10929 (NASA-CR-119993) SPACE SHUTTLE: STATIC
 PRESSURE DISTRIBUTION ON CHRYSLER
 CORPORATION SPACE DIVISION SERV BOOSTER
 CONFIGURATION E.A. Price, et al (Chrysler
 Corp.) Oct. 1971 793 p CACL 22B G3/31

DMS-DR-1125
 CR-119993

Unclas
 08051



—SPACE SHUTTLE—

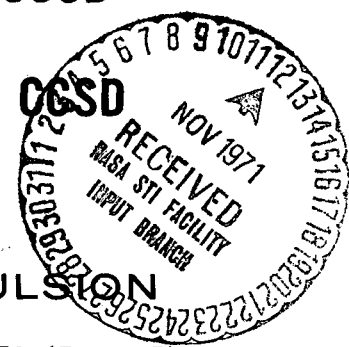
**STATIC PRESSURE DISTRIBUTION ON
 CHRYSLER CORPORATION
 SPACE DIVISION SERV BOOSTER
 CONFIGURATION**

by

E. A. Price, Jr., ARO, INC.

J. J. Hull, CCSD

E. A. Rawls, CCSD



**16T PROPULSION
 WIND TUNNEL(PWT)**

SADSAC SPACE SHUTTLE
 AEROTHERMODYNAMIC
 DATA MANAGEMENT SYSTEM

**ARNOLD ENGINEERING
 DEVELOPMENT CENTER**

CONTRACT NAS8-4016
 MARSHALL SPACE FLIGHT CENTER



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 SPRINGFIELD, VA. 22161

FACILITY FORM 602

(ACCESSION NUMBER) 793	(THRU) G3
(PAGES) CR-119993	(CODE) 31
(NASA CR OR TMX OR AD NUMBER)	(CATEGORY)

SADSAC/SPACE SHUTTLE
WIND TUNNEL TEST DATA REPORT

CONFIGURATION: Chrysler Corp. Space Division SERV Configuration
TEST PURPOSE: To Investigate Simulated Performance of an Integral Aerospike Engine, and Define Static Pressure Distributions on the SERV Configuration.
TEST FACILITY: 16 T Propulsion Wind Tunnel (PWT)
TESTING AGENCY: Arnold Engineering Development Center AEDC/ARO
TEST NO. & DATE: TF-250; December, 1970
FACILITY COORDINATOR: L. Trimmer - ARO, Inc
PROJECT ENGINEER(S): E. A. Price, Jr. - ARO, Inc.
J. J. Hull - CCSD
E. A. Rawls - CCSD

DATA MANAGEMENT SERVICES

LIAISON: N/A DATA OPERATIONS: J. R. Ziller

RELEASE APPROVAL: N. D. Kemp, Supervisor
Aero Thermo Data Group

CONTRACT NAS 8-4016

AMENDMENT 153

DRL 184 - 58

This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.

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ABSTRACT

A dual purpose test was conducted in the Arnold Engineering Development Center 16T Propulsion Wind Tunnel (PWT) to evaluate the performance of an aerospike engine, in the presence of a booster, and obtain forebody and base pressure distributions on the booster in which it is installed. The test item was a 2.5 percent scaled replica of the SERV booster employing a 5 percent spike length aerospike engine installed in the base region of the model. Cold flow air was used to simulate engine jet operation. Two booster configurations were investigated, one on which re-entry aerospike engine thermal protection doors were installed, and another where the doors were removed. The data presented herein are representative of the latter configuration for a Mach number range of 0 to 1.25 at angles of attack of 0 and 8 degrees and 0 degrees angle of sideslip.

Plotted data consists of model pressure coefficients and pressure ratio variations of functions of non-dimensional axial and radial model stations. Pressure ratios are presented in terms of both ambient conditions and engine chamber conditions. The base axial pressure variations are for both longitudinal and local radius values for scaling purposes.

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SUMMARY

A dual investigation was conducted in the Arnold Engineering Development 16T Propulsion Wind Tunnel (PWT) as to the feasibility of the SERV concept as a fully re-usable space vehicle. The primary purpose of the investigation was to evaluate the performance of an integral aerospike engine in the presence of the SERV main stage, and the secondary purpose was to obtain forebody and base pressure distributions on the vehicle.

Engine performance characteristics were simulated by a 5 percent spike length aerospike engine having an expansion ratio A_B/A_t of 417 employing cold flow jet stream. Engine combustion chamber pressure to free stream static pressure (P_c/P) ratio was varied from 125 minimum to 830 maximum. The engine was designed to operate at 400 psia chamber pressure having mass flow rate of 11 lbs/sec. A separate system of ducting was incorporated in the engine model to provide for turbine exhaust simulation which ejects a mass flow rate of approximately 0.25 lbs/sec at 20 psia.

Two SERV configurations were investigated, engine protection re-entry doors installed at 25 degrees open and removed. Pressures were measured on the forebody, aerospike ramp, shroud, and base plate of the model. Engine plume static pressures were measured by a pressure rake installed adjacent to the engine ramp. Data presented herein are representative of the doors removed configuration at Mach numbers of 0, 0.6, 0.8, 0.9, 1.1 and 1.25 and angles of attack of 0 and 8 degrees at 0 degrees sideslip angle with no turbine exhaust simulation.

SUMMARY (Continued)

Plotted data consists of model pressure coefficients and pressure ratio variations of functions of non-dimensional axial and radial model stations. Pressure ratios are presented in terms of both ambient conditions and engine chamber conditions. The base axial pressure variations are for both longitudinal and local radius values for scaling purposes.

CONFIGURATIONS INVESTIGATED

Figure 1 illustrates the model installation arrangement in the 16T Propulsion Wind Tunnel (PWT) test section. Figure 2 presents the pertinent geometry of the configuration test.

TEST FACILITY DESCRIPTION

Tunnel 16T is a closed-circuit, continuous flow tunnel capable of being operated at Mach numbers from 0.20 to 1.60. The test section is 16 - by 16 - ft. in cross section and 40 ft. long. The tunnel can be operated within a stagnation pressure range from 120 to 4,000 psfa, depending on the Mach number. Stagnation temperature can be varied from an average minimum of about 80°F to a maximum of 160°F. Perforated walls in the test section allow continuous operation through the Mach number range with a minimum of wall interference.

TEST CONDITIONS
TEST TF - 250

BALANCE UTILIZED: NOT APPLICABLE

NASA-WFF -MAF

DATA REDUCTION

All pressures on the model were measured by differential pressure transducers located in the tunnel plenum and referenced to plenum pressure. The engine primary flow rate was determined by a Swirlmeter⁽¹⁾, pressure and temperature readings. Figures 3, 4 and 5 illustrate graphical presentation of pressure orifices on the respective model surfaces with tabular locations presented in Table II. The plume boundary was surveyed by installation of a pressure rake as illustrated in Figure 6.

The measured pressures were converted to aerodynamic pressure coefficient form as follows:

$$C_p = (P_s - P_\infty)/Q$$

(1) REGISTERED TRADE NAME, FISCHER & PORTER COMPANY, WARMINSTER, PA.

TABLE II

INSTRUMENTATION - IDENTIFICATION AND LOCATION

AEDC NO.	CCSD NO.	MODEL STA.	R	ϕ	X/D	R/D	REMARKS
1	4.722	12.890	1°0'	.17488	.47740		Chamber Pressure
2	4.722	12.890	89°0'	.17488	.47740		↓
3	4.306	12.655	278°37'	.15948	.46870		Aerospike Static
4	4.306	12.655	318°	.15948	.46870		
5	4.186	12.550	277°37'	.15503	.46481		
6	4.186	12.550	317°	.15503	.46481		
7	3.966	12.400	276°37'	.14688	.45925		
8	3.966	12.400	316°	.14688	.45925		
9	3.626	12.180	275°37'	.13429	.45111		
10	3.626	12.180	315°	.13429	.45111		
11	3.366	12.035	274°37'	.12466	.44574		
12	3.366	12.035	314°	.12466	.44574		
13	3.096	11.900	273°37'	.11466	.44074		
14	3.096	11.900	313°	.11466	.44074		
15	2.826	11.775	272°37'	.10466	.43611		
16	2.826	11.775	312°	.10466	.43611		
17	2.313	11.555	271°37'	.08566	.42796		
18	2.313	11.555	311°	.08566	.42796		↓
19	2.429	11.000	351°	.08996	.40740		Turbine Ex. Pressure
20	2.429	11.000	171°	.08996	.40740		↓
21	2.218	11.455	269°	.08214	.42455		Base Static
22	2.218	11.455	309°	.08214	.42455		
23	1.723	10.250	5°37'	.06381	.37962		
24	1.474	9.500	5°37'	.05459	.35185		

TABLE EI (Continued)

AEDC NO.	CCSD NO.	MODEL STA.	R	ϕ	X/D	R/D	REMARKS
25	1.246	8.750	5°37'	↓	.04614	.32407	Base Static
26	.973	7.750			.03603	.28703	
27	.735	6.750			.02722	.25000	
28	.443	5.250			.01640	.19444	
29	.225	3.750			.00833	.13888	
30	.080	2.250			.00296	.08333	
31	0	-	-		-	-	
32	1.723	10.250	45°0'	↓	.06381	.37962	
33	1.246	8.750			.04614	.32407	
34	.735	6.750			.02722	.25000	
35	.225	3.750			.00833	.13888	
36	1.723	10.250	90°0'		.06381	.37962	
37	1.474	9.500			.05459	.35185	
38	1.246	8.750		↓	.04614	.32407	
39	.973	7.750			.03603	.28703	
40	.735	6.750			.02722	.25000	
41	.443	5.250			.01640	.19444	
42	.225	3.750			.00833	.13888	
43	.080	2.250			.00296	.08333	
44	1.723	10.250	135°	↓	.06381	.37962	
45	1.246	8.750			.04614	.32407	
46	.735	6.750			.02722	.25000	
47	.225	3.750			.00833	.13888	
48	1.723	10.250	174°23'		.06381	.37962	

TABLE II (Continued)

AEDC NO.	CCSD NO.	MODEL STA.	R	ϕ	X/D	R/D	REMARKS
49	1.474	9.500	174°23'	.05459	.35185	Base Static	
50	1.246	8.750		.04614	.32407		
51	.973	7.750		.03603	.28703		
52	.735	6.750		.02722	.25000		
53	.443	5.250		.01640	.19444		
54	.225	3.750		.00833	.13888		
55	.080	2.250		.00296	.08333		
56	19.891	3.667		.73670	.13581	45° Cone Static	
57	18.891	4.667		.69966	.17285		
58	17.891	5.667		.66263	.20989		
59	16.891	6.667		.62559	.24693		
60	15.891	7.667		.58855	.28396		
61	14.891	8.667		.55152	.32099		
62	14.241	9.317		.52744	.34507		
63	13.641	9.789		.50522	.36256	25° Cone Static	
64	12.641	10.255		.46818	.37981		
65	11.641	10.721		.43115	.39707		
66	10.641	11.187		.39411	.41433		
67	9.641	11.654		.35707	.43163		
68	8.641	12.120		.32004	.44889		
69	7.641	12.586		.28299	.46615		
70	7.041	12.866		.26078	.47652		
71	19.891	3.667	180°	.73670	.13581	45° Cone Static	
72	18.891	4.667		.69967	.17285		

TABLE II (Continued)

AEDC NO.	CCSD NO.	MODEL STA.	R	ϕ	X/D	R/D	REMARKS
73	17.891	5.667	180°		.66263	.20989	45° Cone Static
74	16.891	6.667			.62559	.24693	
75	15.891	7.667			.58855	.28396	
76	14.891	8.667			.55152	.32099	
77	14.241	9.317			.52744	.34507	
78	13.641	9.789			.50522	.36256	25° Cone Static
79	12.641	10.255			.46818	.37981	
80	11.641	10.721			.43115	.39707	
81	10.641	11.187			.39411	.41433	
82	9.641	11.654			.35707	.43163	
83	8.641	12.120			.32004	.44889	
84	7.641	12.586			.28299	.46615	
85	7.041	12.866			.26078	.47652	
86	14.891	8.667	20°		.55152	.32099	45° Cone Static
87			40°				
88			60°				
89			80°				
90			100°				
91			120°				
92			140°				
93			160°				
94	7.041	12.866	20°		.26078	.47652	25° Cone Static
95			40°				
96			60°				

TABLE II. (Continued)

AEDC NO.	CCSD NO.	MODEL STA.	R	ϕ	X/D	R/D	REMARKS
97		7.041	12.866	79°	.26078	.47652	25° Cone
98		↓	↓	101°	↓	↓	↓
99				120°			
100				140°			
101		↓	↓	160°	↓	↓	↓
102		4.380	12.968	263°45'	.16222	.48029	Shroud Static
103		4.203	13.071	265°	.15566	.48411	
104		4.116	13.220	267°30'	.15244	.48962	
105		4.116	13.400	268°45'	.15244	.49629	
106		4.380	12.968	305°	.16222	.48029	
107		4.203	13.071	306°15'	.15566	.48411	
108		4.116	13.220	308°45'	.15224	.48962	
109		4.116	13.400	310°	.15224	.49629	↓

SUMMARY DATA PLOT INDEX

PLOT TITLE	PLOTTED COEFFICIENT SCHEDULE	CONDITIONS VARYING	NOMINAL MACH NUMBER	NOMINAL α SCHEDULE (DEGREES)	NOMINAL β SCHEDULE (DEGREES)	PAGES
SERV Forebody Pressure Coefficient Distribution	A	PRATIO	.6 - 1.25	0	0	1-34
SERV Forebody Pressure Coefficient Distribution	A	PRATIO	.6 - 1.25	8	0	35-44
SERV Forebody Pressure Coefficient Distribution	B	PRATIO	.6 - 1.25	0	0	45-78
SERV Forebody Pressure Coefficient Distribution	B	PRATIO	.6 - 1.25	8	0	79-88
SERV Forebody Pressure Coefficient Distribution	C	PRATIO	.6 - 1.25	0	0	89-139
SERV Forebody Pressure Coefficient Distribution	C	PRATIO	.6 - 1.25	8	0	140-154
SERV Forebody Pressure Coefficient Distribution	D	PRATIO	.6 - 1.25	0	0	155-205
SERV Forebody Pressure Coefficient Distribution	D	PRATIO	.6 - 1.25	8	0	206-256
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	A	PRATIO	0 - 1.25	0	0	257-279
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	A	PRATIO	0 - 1.25	8	0	280-284
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	B	PRATIO	0 - 1.25	0	0	285-307

SUMMARY DATA PLOT INDEX
(CONTINUED)

PLOT TITLE	PLOTTED COEFFICIENT SCHEDULE	CONDITION VARYING	NOMINAL MACH NUMBER	NOMINAL α SCHEDULE (DEGREES)	NOMINAL β SCHEDULE (DEGREES)	PAGES
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	B	PRATIO	0 - 1.25	8	0	308-312
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	E	PRATIO	0 - 1.25	0	0	313-335
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	E	PRATIO	0 - 1.25	8	0	336-340
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	0	0	341-363
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	8	0	364-368
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	0	0	369-391
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	8	0	392-396
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	0	0	397-419
SERV Aerospike Engine Ramp Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	8	0	420-424
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	0	0	425-447
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	8	0	448-452
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	0	0	453-475

SUMMARY DATA PLOT INDEX
(CONTINUED)

PLOT TITLE	PLOTTED COEFFICIENT SCHEDULE	CONDITION VARYING	NOMINAL MACH NUMBER	NOMINAL α SCHEDULE (DEGREES)	NOMINAL β SCHEDULE (DEGREES)	PAGES
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	8	0	476-480
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	0	0	481-503
SERV Aerospike Engine Cowl Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	8	0	504-508
SERV Base Plate Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	0	0	509-554
SERV Base Plate Pressure Coefficient Distribution	F	PRATIO	0 - 1.25	8	0	555-564
SERV Base Plate Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	0	0	565-610
SERV Base Plate Pressure Coefficient Distribution	G	PRATIO	0 - 1.25	8	0	611-620
SERV Base Plate Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	0	0	621-666
SERV Base Plate Pressure Coefficient Distribution	H	PRATIO	0 - 1.25	8	0	667-676
SERV Aerospike Engine Plume Boundary Survey	A	PRATIO	0 - 1.25	0	0	677-699
SERV Aerospike Engine Plume Boundary Survey	A	PRATIO	.6 - 1.25	8	0	700-704

SUMMARY DATA PLOT INDEX
(CONTINUED)

PLOT TITLE	PLOTTED COEFFICIENT SCHEDULE	CONDITION VARYING	NOMINAL MACH NUMBER	NOMINAL α SCHEDULE (DEGREES)	NOMINAL β SCHEDULE (DEGREES)	PAGES
SERV Aerospike Engine Plume Boundary Survey	A	PRATIO	.6 - 1.25	0	0	705-727
SERV Aerospike Engine Plume Boundary Survey	B	PRATIO	.6 - 1.25	8	0	728-732
SERV Aerospike Engine Plume Boundary Survey	E	PRATIO	0 - 1.25	0	0	733-755
SERV Aerospike Engine Plume Boundary Survey	E	PRATIO	.6 - 1.25	8	0	756-760

PLOTTED COEFFICIENTS SCHEDULE:

SCHEDULE A:

CP vs. X/D

SCHEDULE B:

P/PINF vs. X/D

SCHEDULE C:

CP vs. THETA

SCHEDULE D:

P/PINF vs. THETA

SCHEDULE E:

PL/PC vs. X/D

SCHEDULE F:

CP vs. R/D

SCHEDULE G:

P/PINF vs. R/D

SCHEDULE H:

PL/PC vs R/D

FIGURES

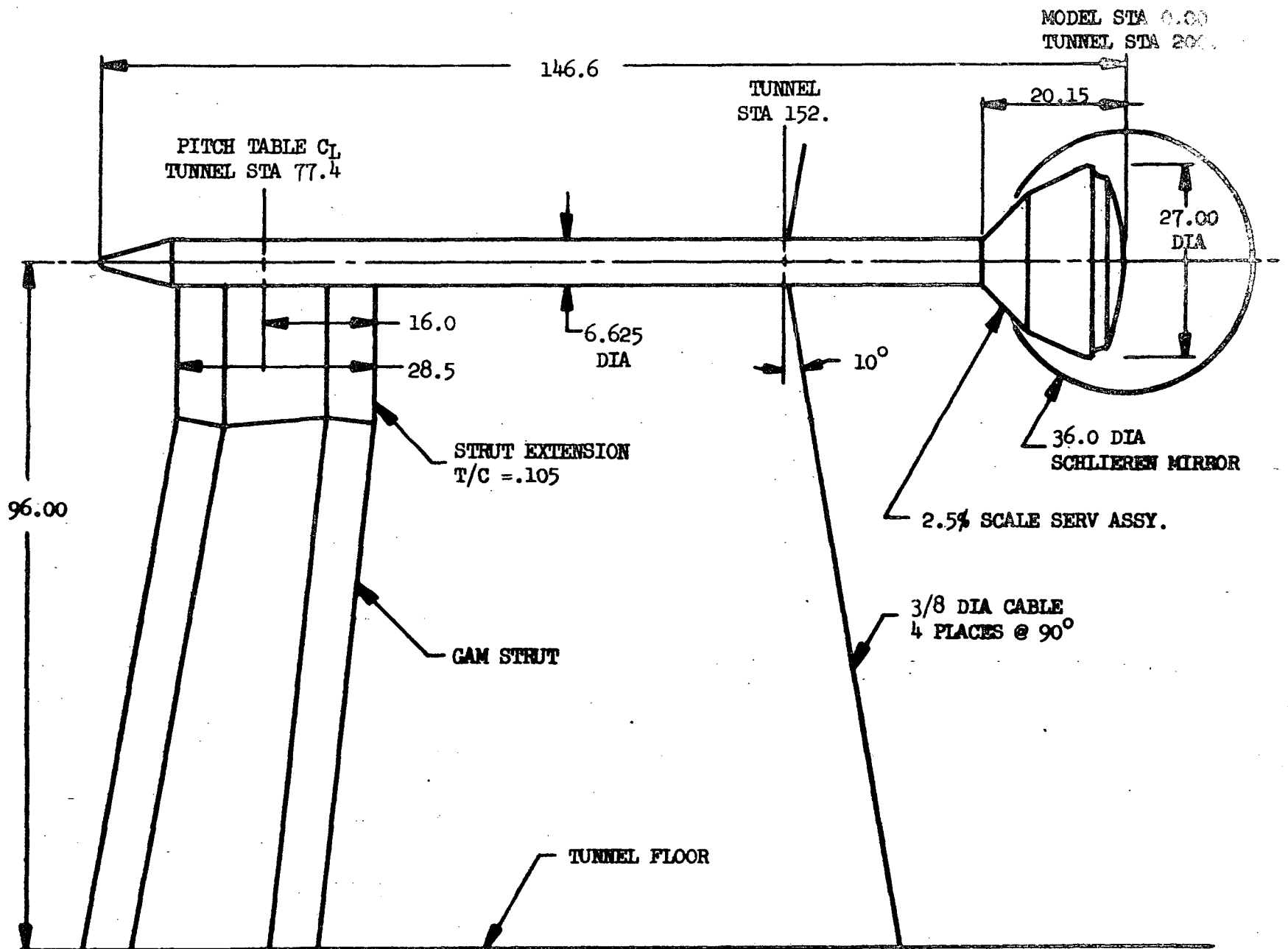


Figure 1. SERV MODEL INSTALLED IN AEDC 16T FWT

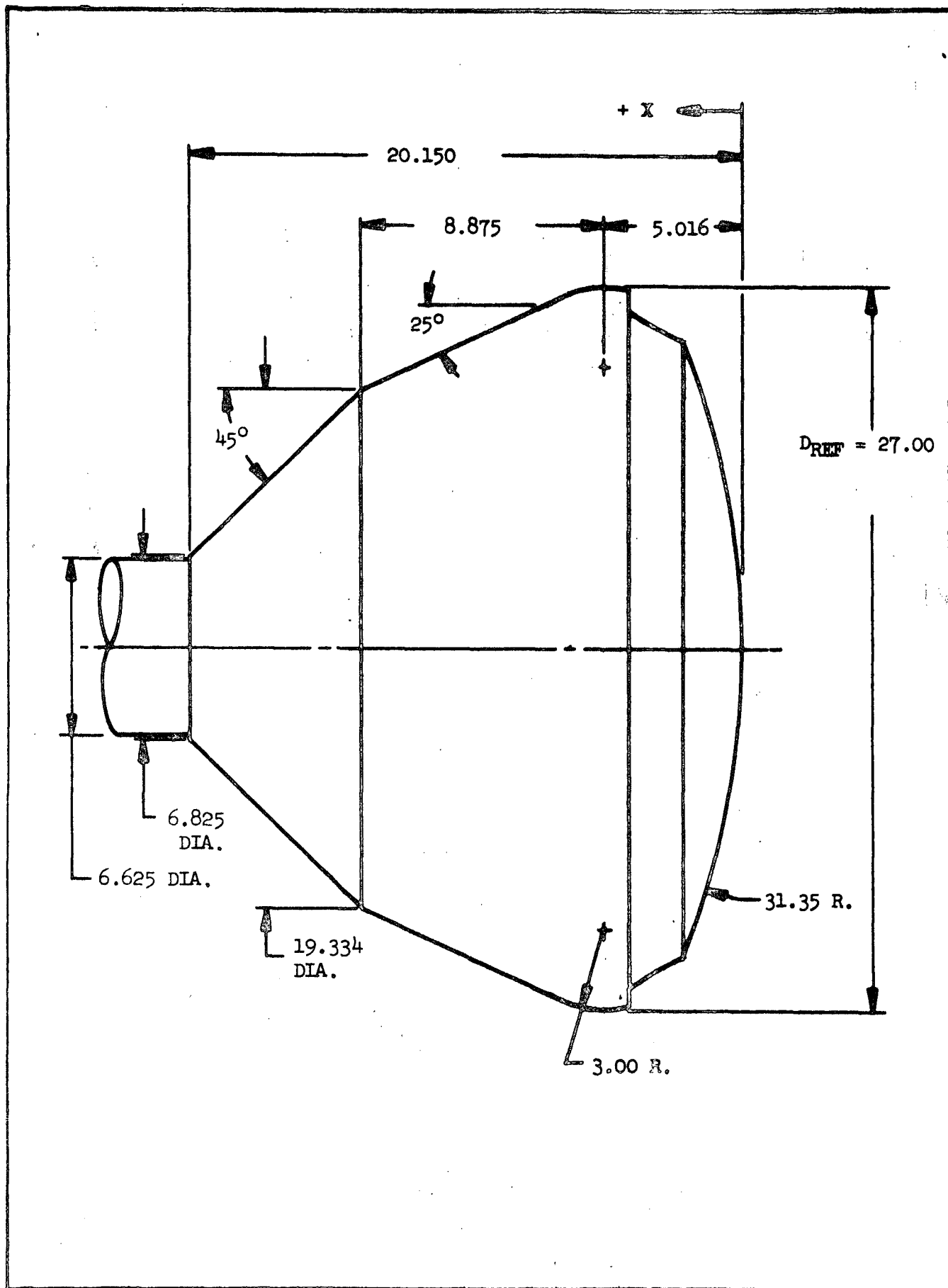


Figure 2. MODEL GEOMETRY

FIG. 5

FIG. 4

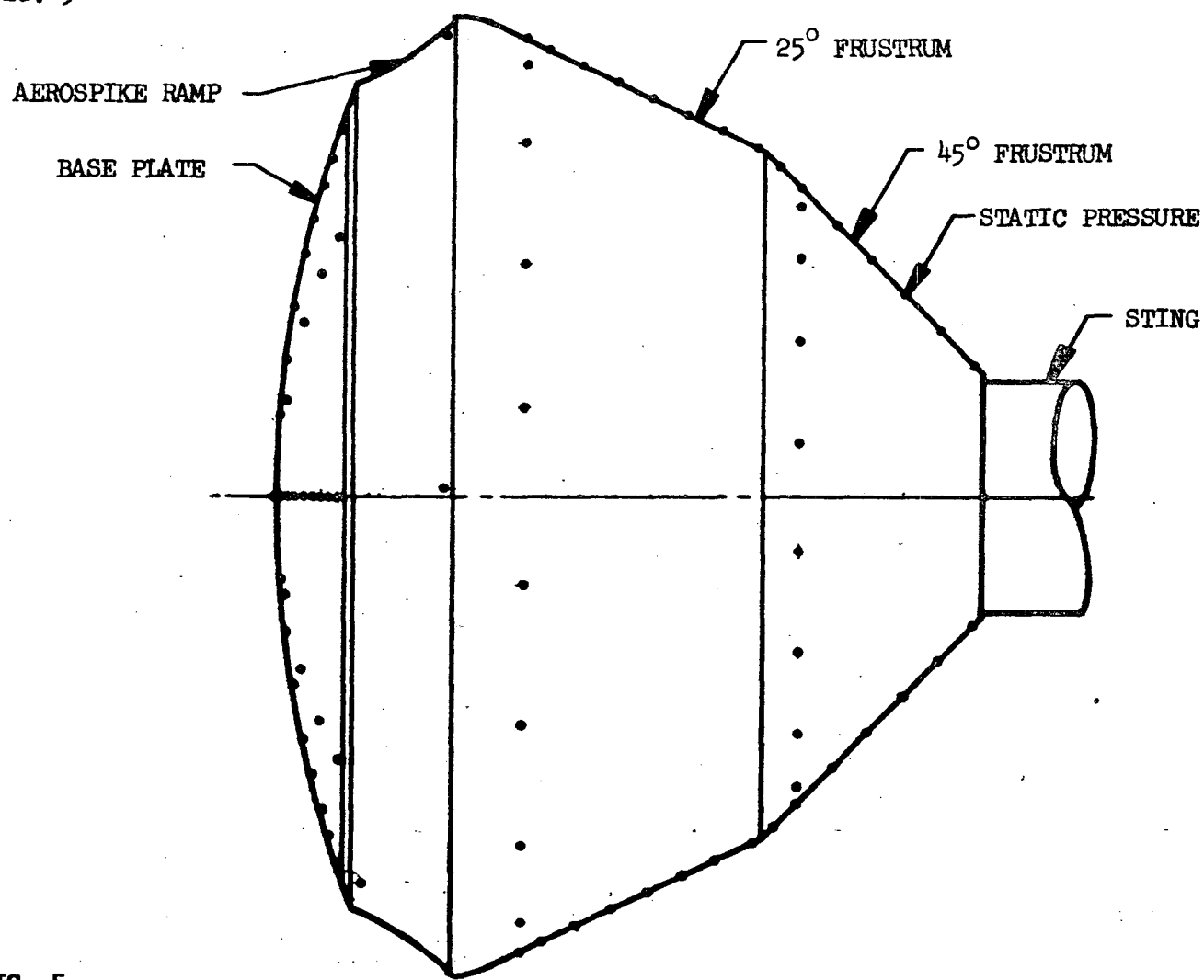


FIG. 5

FIG. 4

Figure 3. MODEL INSTRUMENTATION

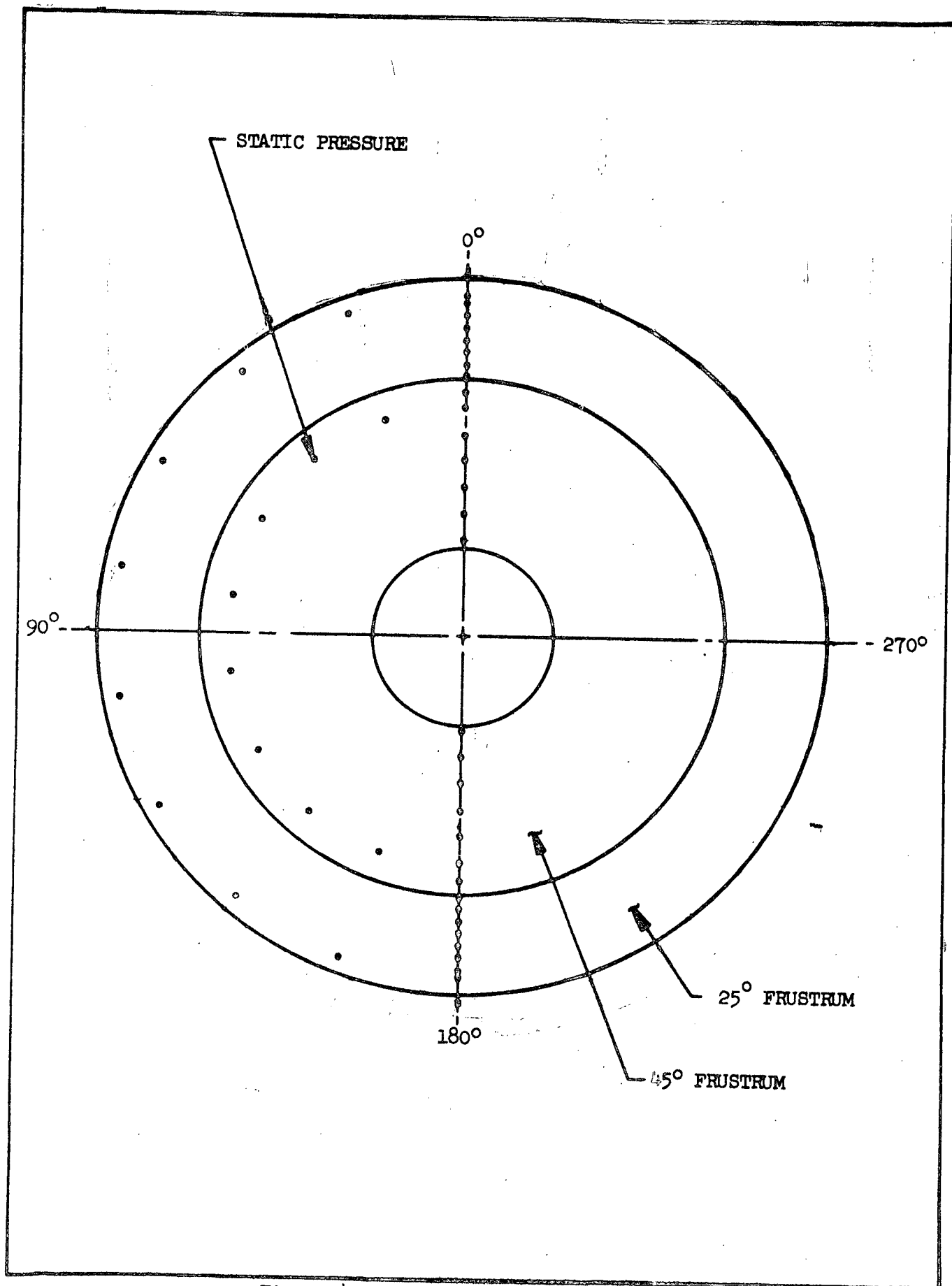


Figure 4. FOREBODY INSTRUMENTATION

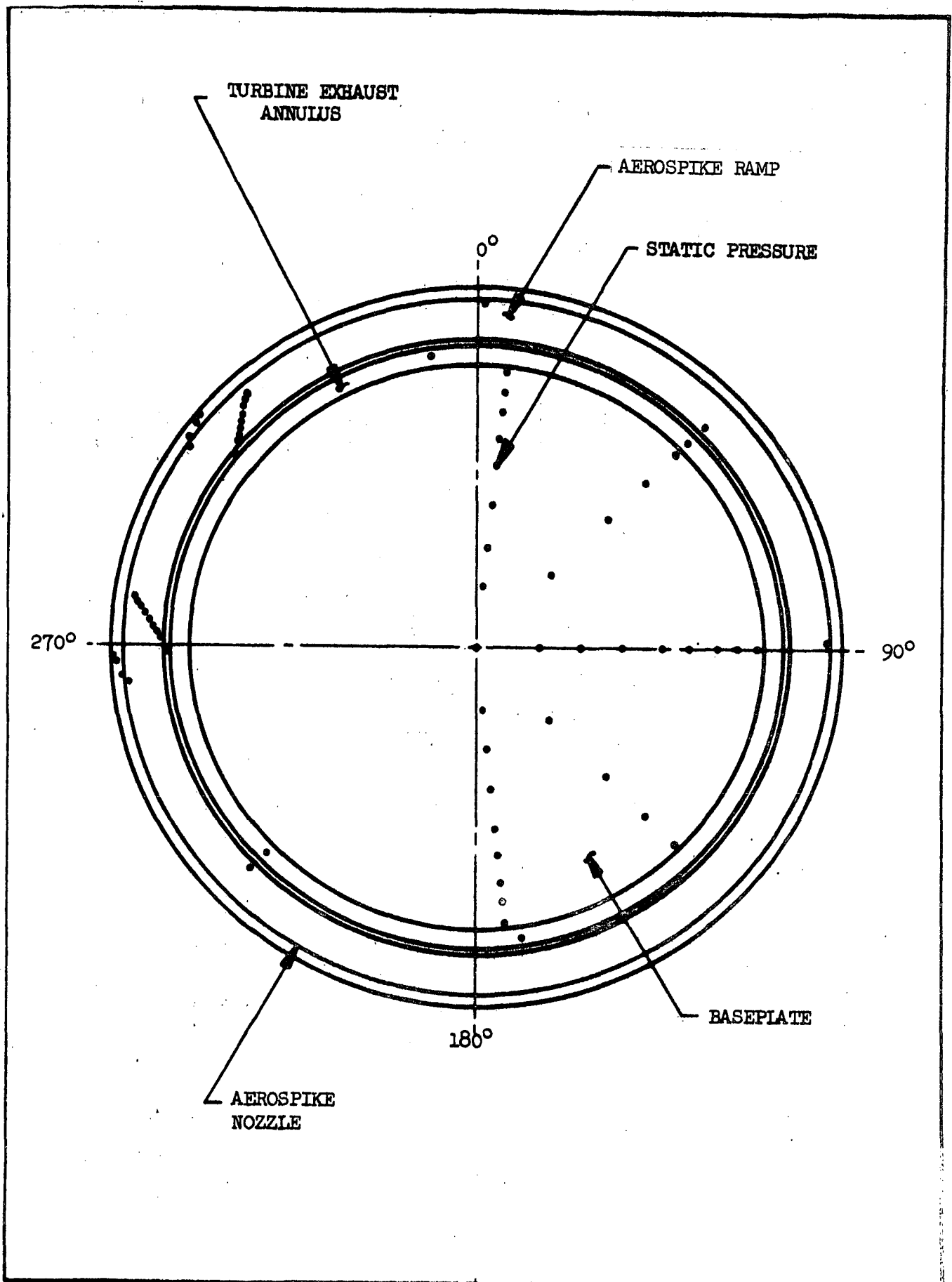


Figure 5. BASE INSTRUMENTATION

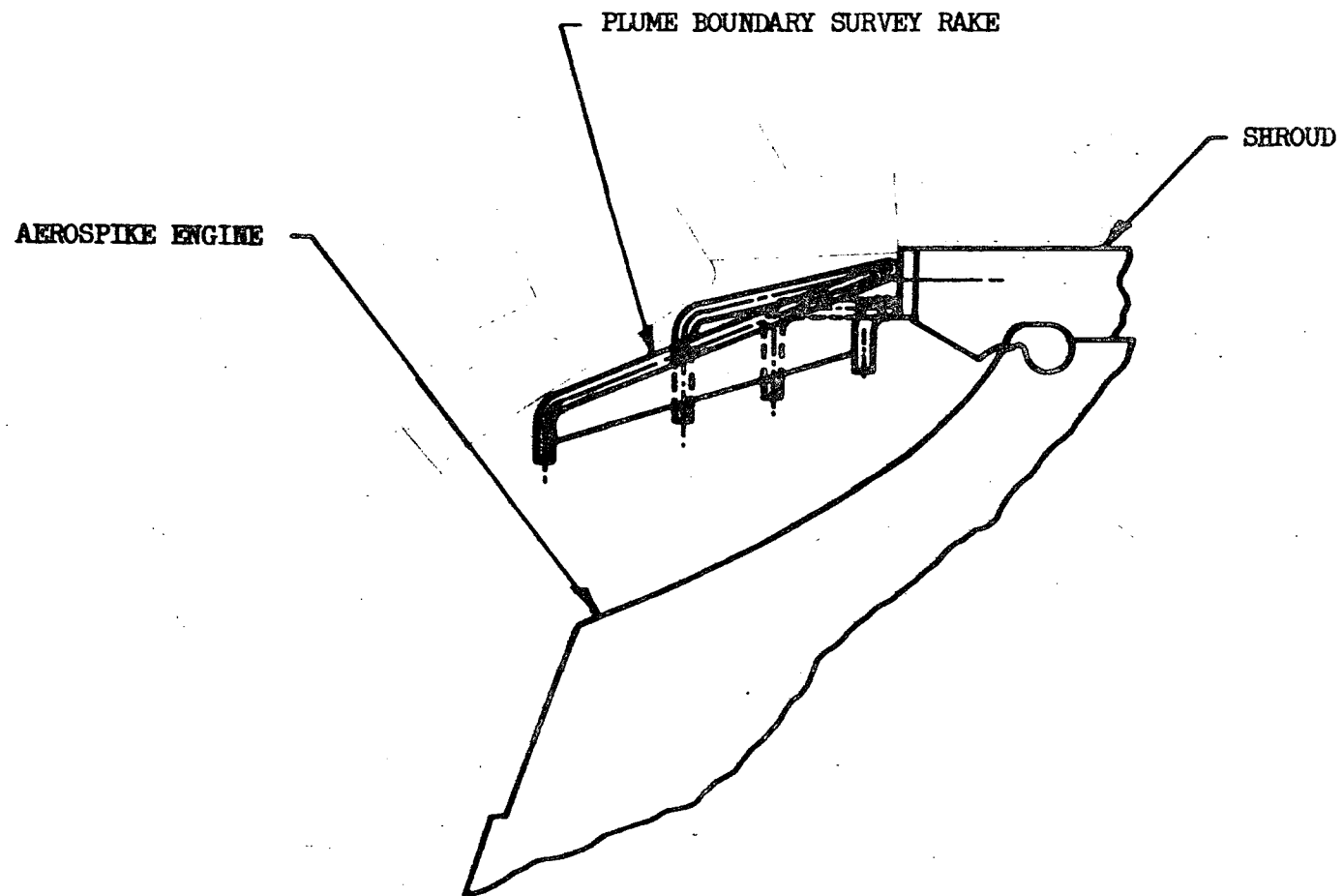


Figure 6. INSTALLATION OF PLUME BOUNDARY SURVEY RAKE

MODEL COMPONENT DESCRIPTION SHEETS

MODEL COMPONENT: BODY

GENERAL DESCRIPTION: 2.5 PERCENT SCALE REPLICA OF SERV MAIN STAGE WITH
5.0 PERCENT LENGTH AEROSPIKE ENGINE INSTALLED IN BASE REGION

DRAWING NUMBER _____

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	_____	<u>*20.15 INCHES</u>
Max Width	_____	<u>27.0 INCHES</u>
Max Depth	_____	_____
Fineness Ratio	_____	_____
Area		
Max Cross-Sectional	_____	<u>27.0 INCHES</u>
Planform	_____	_____
Wetted	_____	_____
Base	_____	<u>572.5566 IN²</u>

* STING INSTALLED AS ILLUSTRATED IN FIGURE I.

NOMENCLATURE

A_B	Model Base Area	≈ 551 Sq. Inches
A_t	Engine Throat Area	≈ 1.32 Sq. Inches
ALPHA	Model Angle of Attack	Degrees
C_p	Pressure Coefficient	$(P - P_{INF})/q$
D	Model Reference Diameter	27 inches
E/DOOR	Engine Door Opening	Degrees
F	Engine Thrust	Pounds
M	Mach number	V/a
q	Dynamic Pressure	PSFA
P_B	Model Base Pressure	PSFA
P_c	Model Engine Chamber Pressure	PSIA
P	Model Static Pressure	PSFA
P_{INF}	Free Stream Static Pressure	PSFA
P_t	Tunnel Total Pressure	PSFA
P_c/P_{INF}	Engine Pressure Ratio	-
P/P_{INF}	Model Pressure Ratio	-
R	Model Radius	Inches
S_{REF}	Model Reference Area	572.5566 Sq. In. ²
T	Temperature	Degrees
X	Distance Forward of Model Base	Inches
ϕ	Model Roll Angle (Positive Clockwise from Top Centerline Looking Forward)	Degrees
P=PL	Model Static Pressure in SADSAC Operations	PSIA

W_s	Engine Secondary Weight Flow	Pounds/Second
WP_c	Engine Primary Weight Flow	Pounds/Second
WS/WP_c	Engine Secondary-Primary Weight Flow Ratio	-
X/D	Non-dimensionalized Model Axial Dimension Referenced to Model Base	-
R/D	Non-dimensionalized Model Radial Dimension Referenced to 0 Degree Radial-Station	-
V	Free Stream Velocity	Ft/Sec.
A	Local Velocity of Sound	Ft/Sec.

Subscripts

INF Freestream condition

TABULATED DATA LISTING

A tabulated data listing, consisting of all aero data sets, both original and those created in arriving at the plotted material to be presented subsequently, is available as an addendum to this report. The tabular listing is made up in two sections:

- (a) a brief summary list of all data sets containing the identifier, the descriptor, and the resident dependent variables.
- (b) a full list of all data sets containing all resident or selected aerodynamic coefficients of the data sets as well as the above mentioned information.

The listing is currently sent on limited distribution to the following organizations:

NASA AMES	Mr. V. Stevens
AEDC/ARO	Mr. L. Trimmer

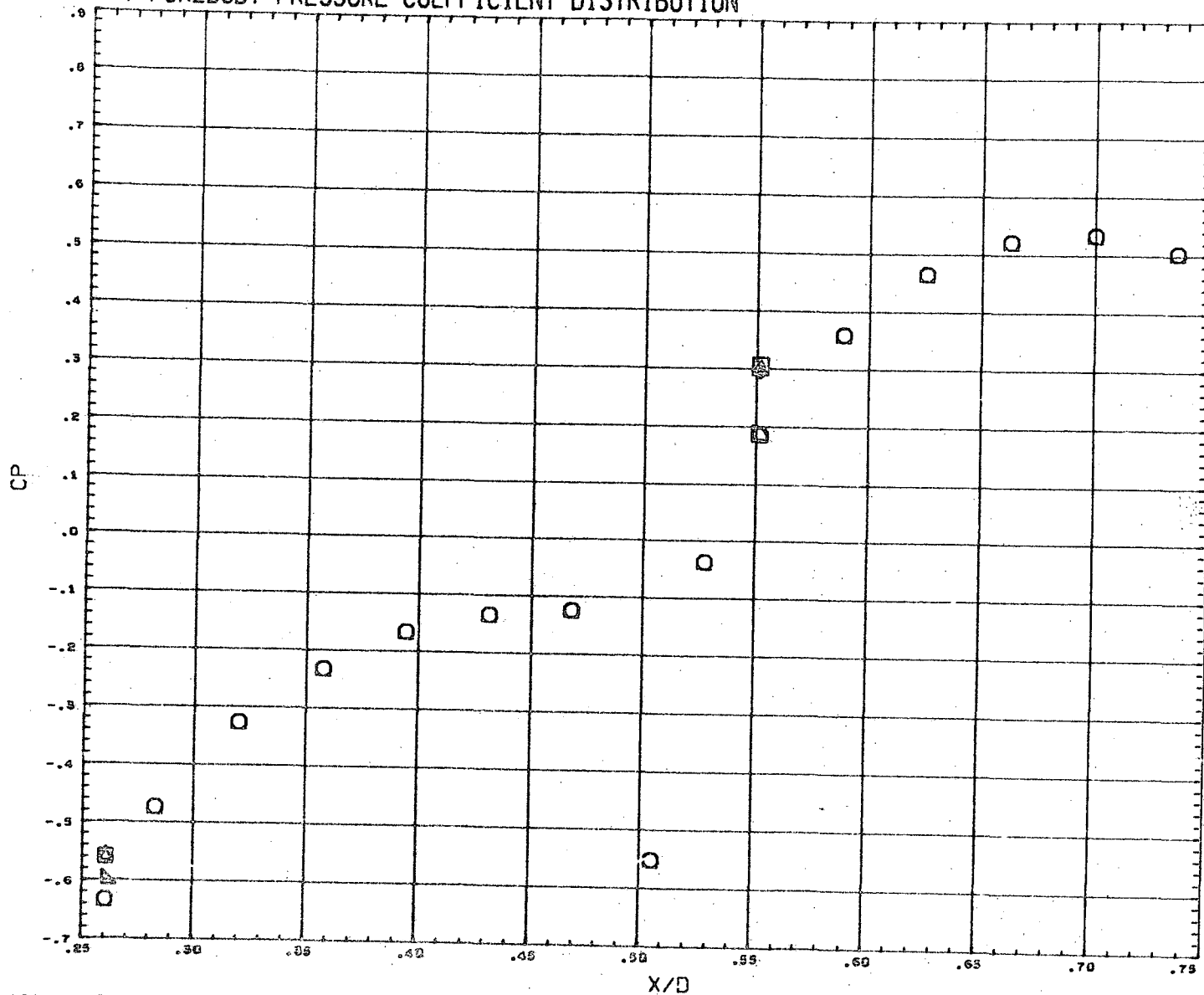
If copies of this listing are desired, please contact the above or the cognizant SADSAC personnel who, for this data, is:

Mr. J. R. Ziler
Department 2780
Chrysler Corporation Space Division
New Orleans, La. 70129

(504) 255-2304

P L O T T E D D A T A

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

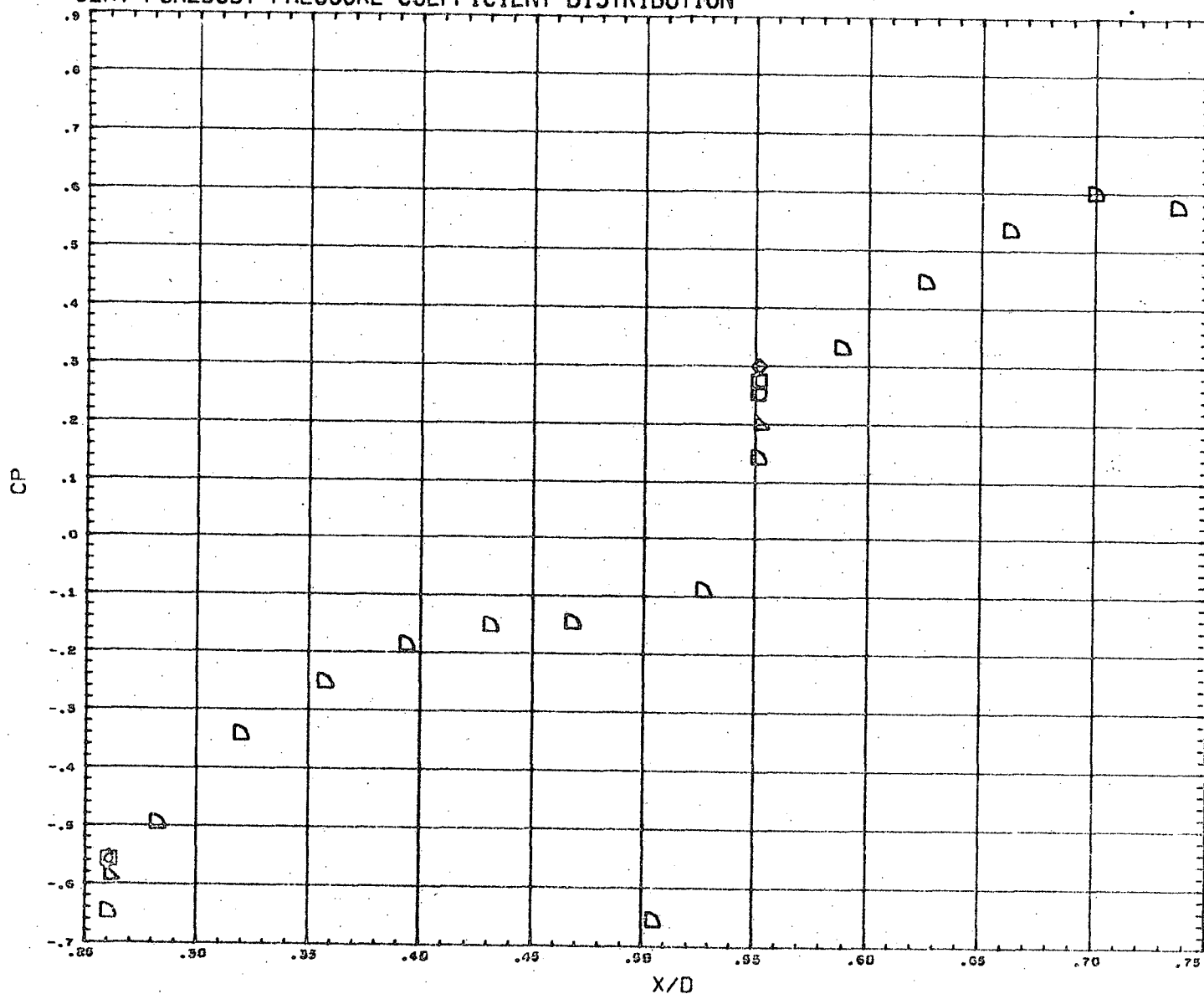


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES		
○	0.000	261.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA	0.004	
△	20.000			50.000	27.000	27.000	0.000	0.000	0.000	404.679	WS/WFC	0.000		
◇	40.000													
□	60.000													
▽	79.000													
◻	80.000													

387042335.FIGURE

CC89 TN-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

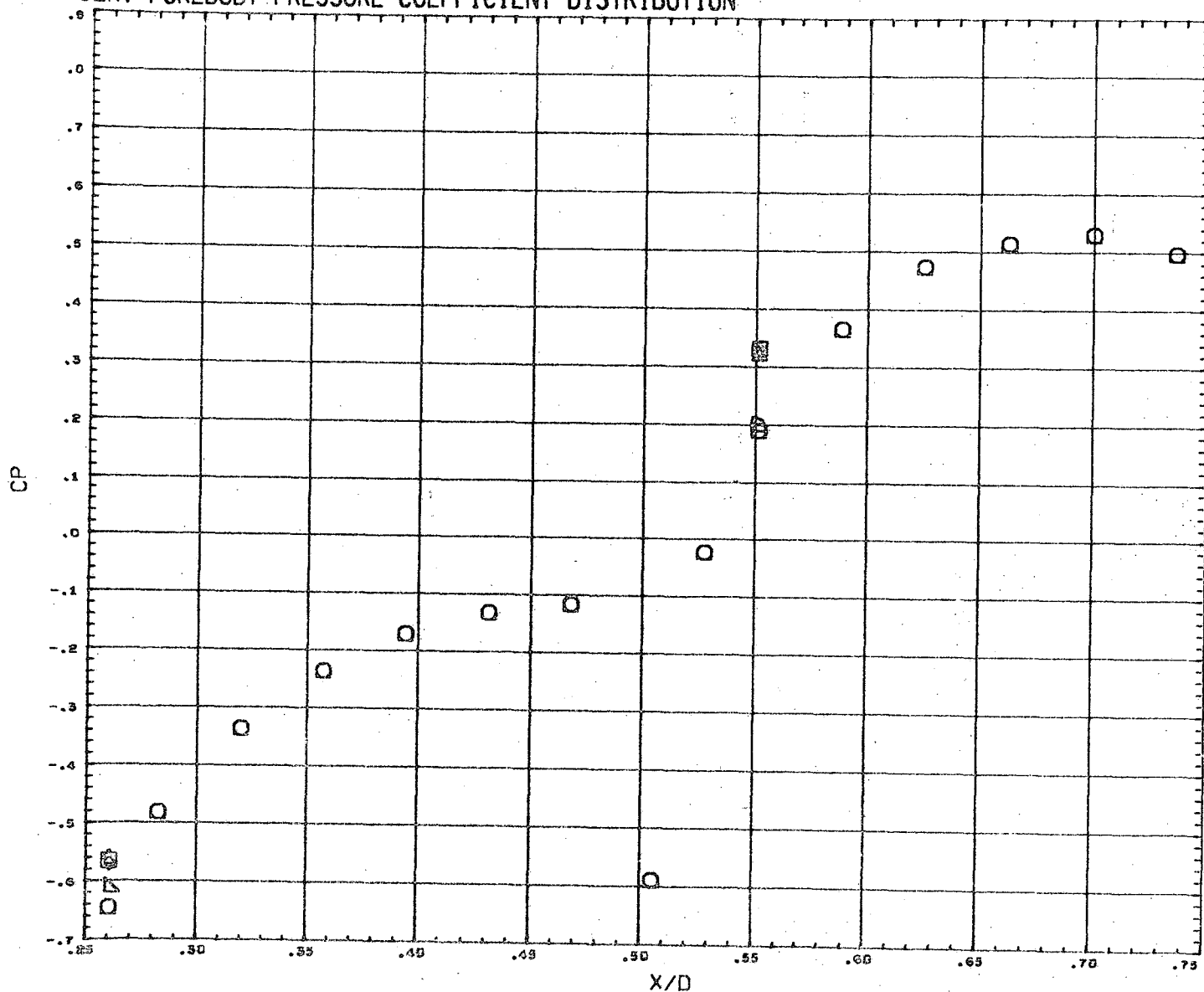


SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	100.000	201.700	0.600	SREF	572.557	59.1N.	E/DOOR	0.000	ALPHA	0.004
◇	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◊	120.000			BREF	27.000	INCHES				
◻	140.000			XMRP	0.000	DIAMTR				
◼	160.000			YMRP	0.000	DIAMTR				
◽	180.000			ZMRP	0.000	DIAMTR				
00000000.F000E CC00 TN-AP-70-449										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

PAGE 2

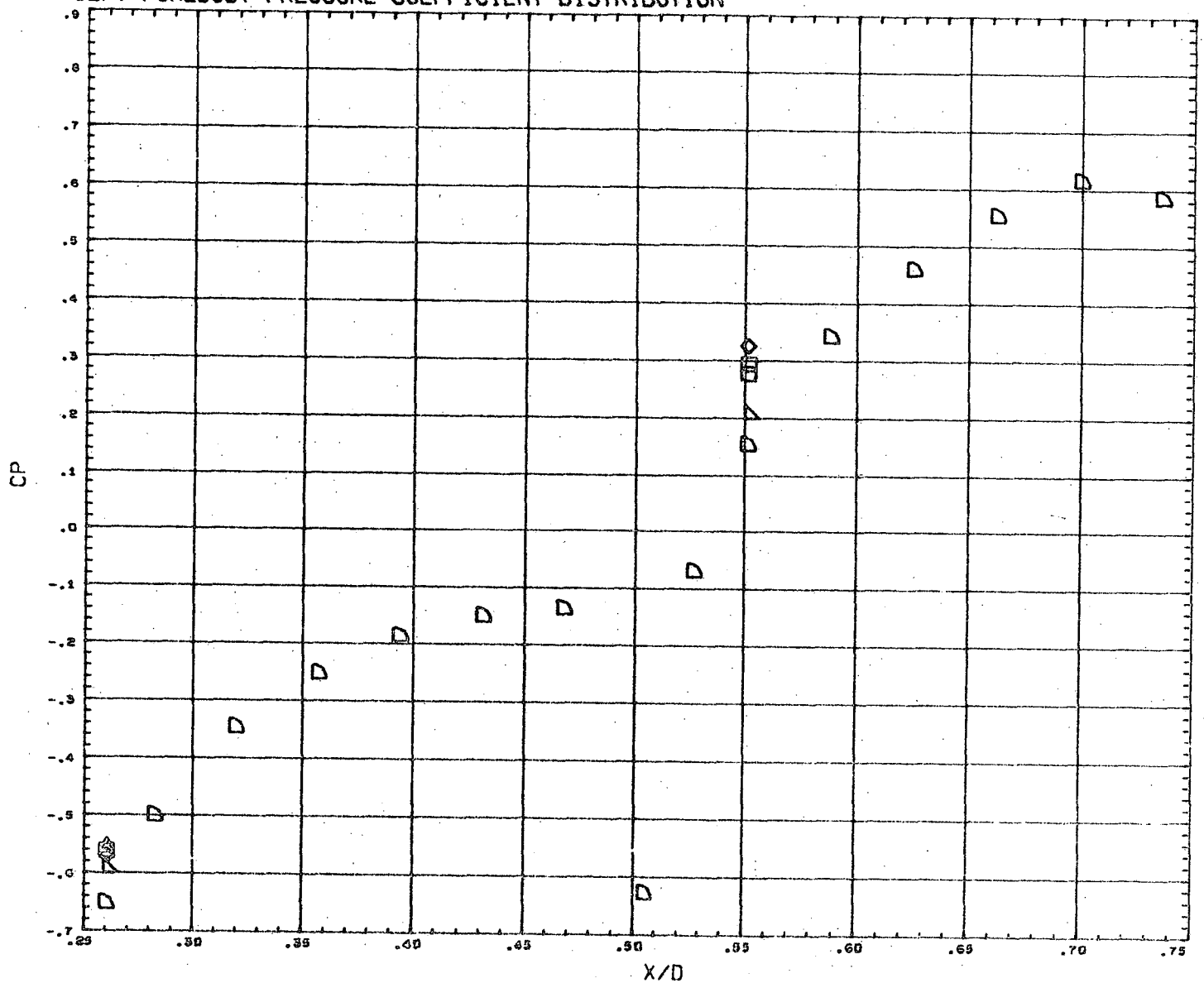
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	101.290	0.590	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
△	20.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	40.000			BREF	27.000	INCHES				
□	60.000			XMRF	0.000	DIAINTR				
▤	79.000			YMRF	0.000	DIAINTR				
▥	86.000			ZMRF	0.000	DIAINTR				
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AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

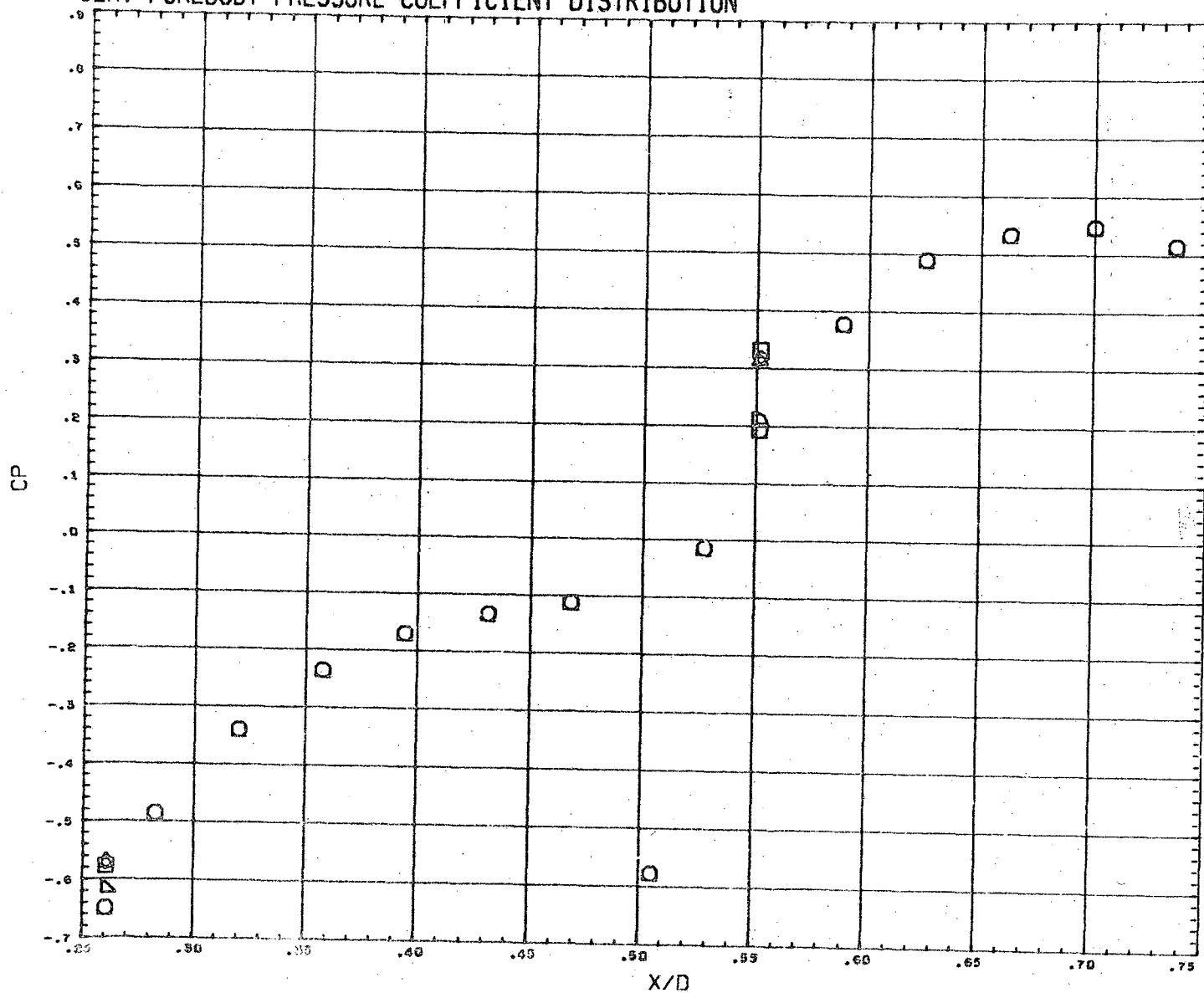


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	100.000	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	101.000									PC 404.679 WS/WFC 0.000
◇	120.000									
□	140.000									
▽	160.000									
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AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

PAGE 4

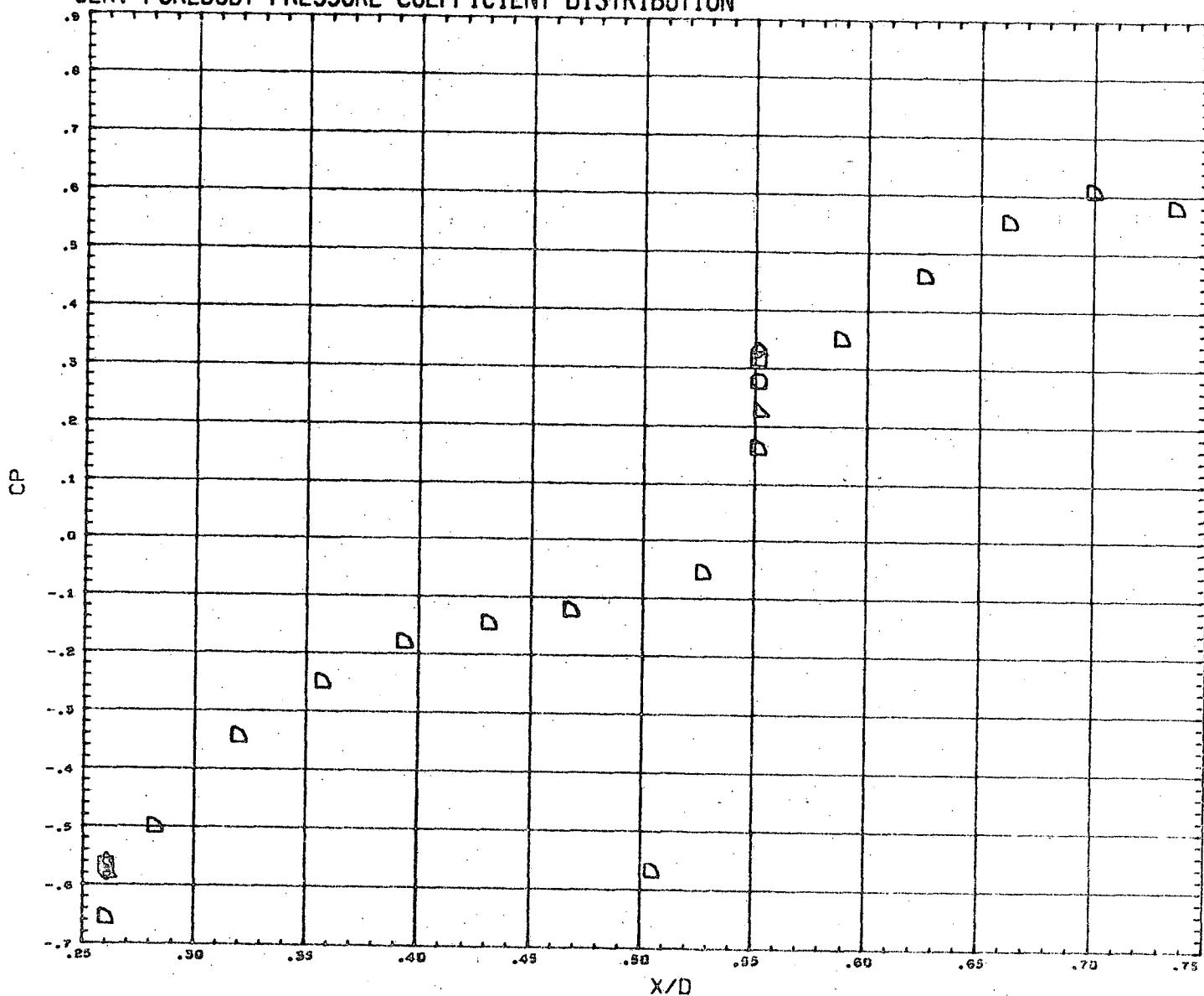
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	575.000	0.598	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	20.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	40.000			BREF	27.000	INCHES				
□	60.000			XMRP	0.000	DIAMTR				
▽	70.000			YMRP	0.000	DIAMTR				
◻	80.000			ZMRP	0.000	DIAMTR				
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION										
CCSD TN-AP-70-443										

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

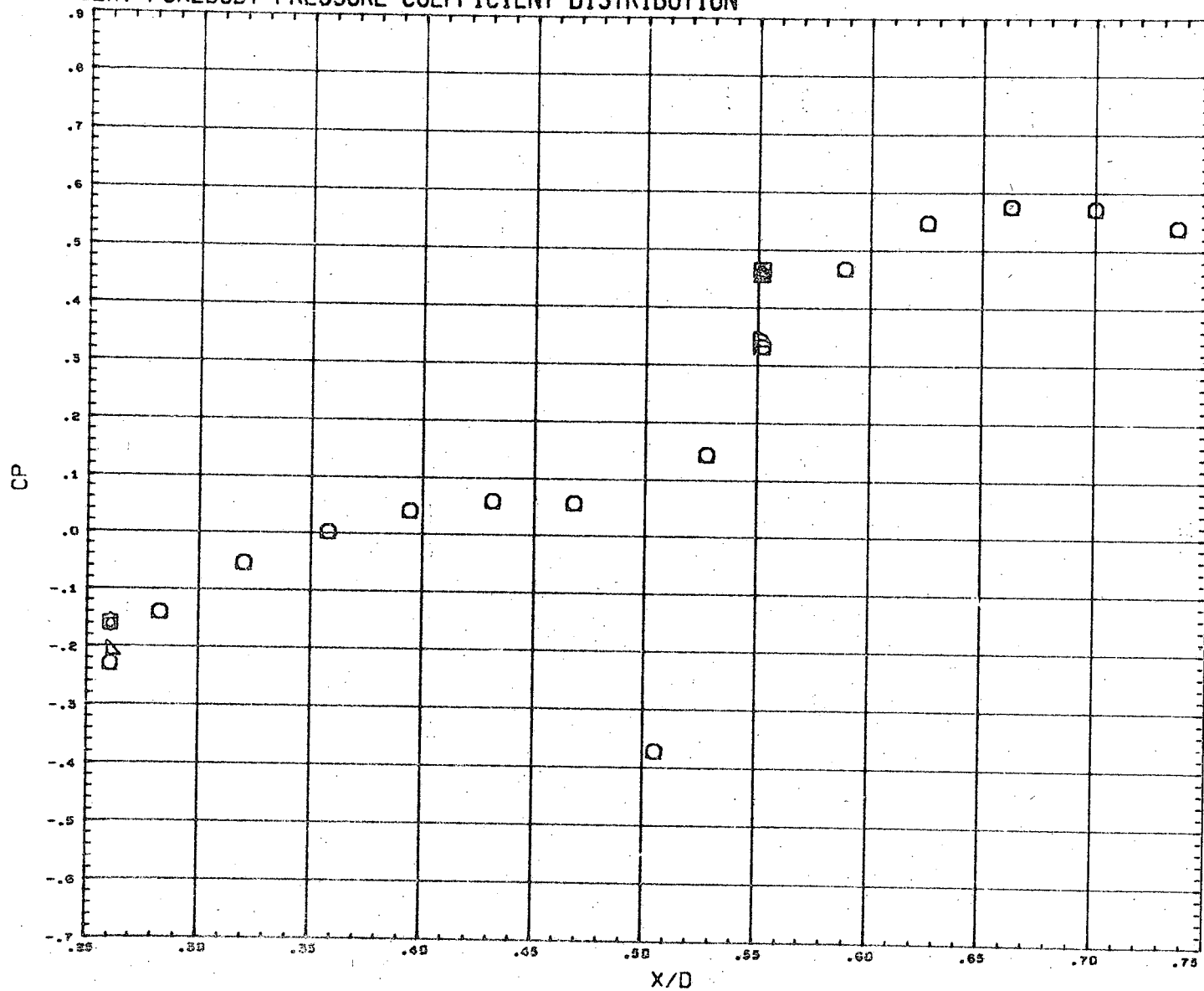
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
○	100.000	578.883	0.598	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
◇	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
◇	140.000			XMRP	0.000	CIAMTR				
◇	160.000			YMRP	0.000	CIAMTR				
◇	180.000			ZMRP	0.000	CIAMTR				
DATA SOURCE: FSCSE CCOD TN-AP-70-045										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

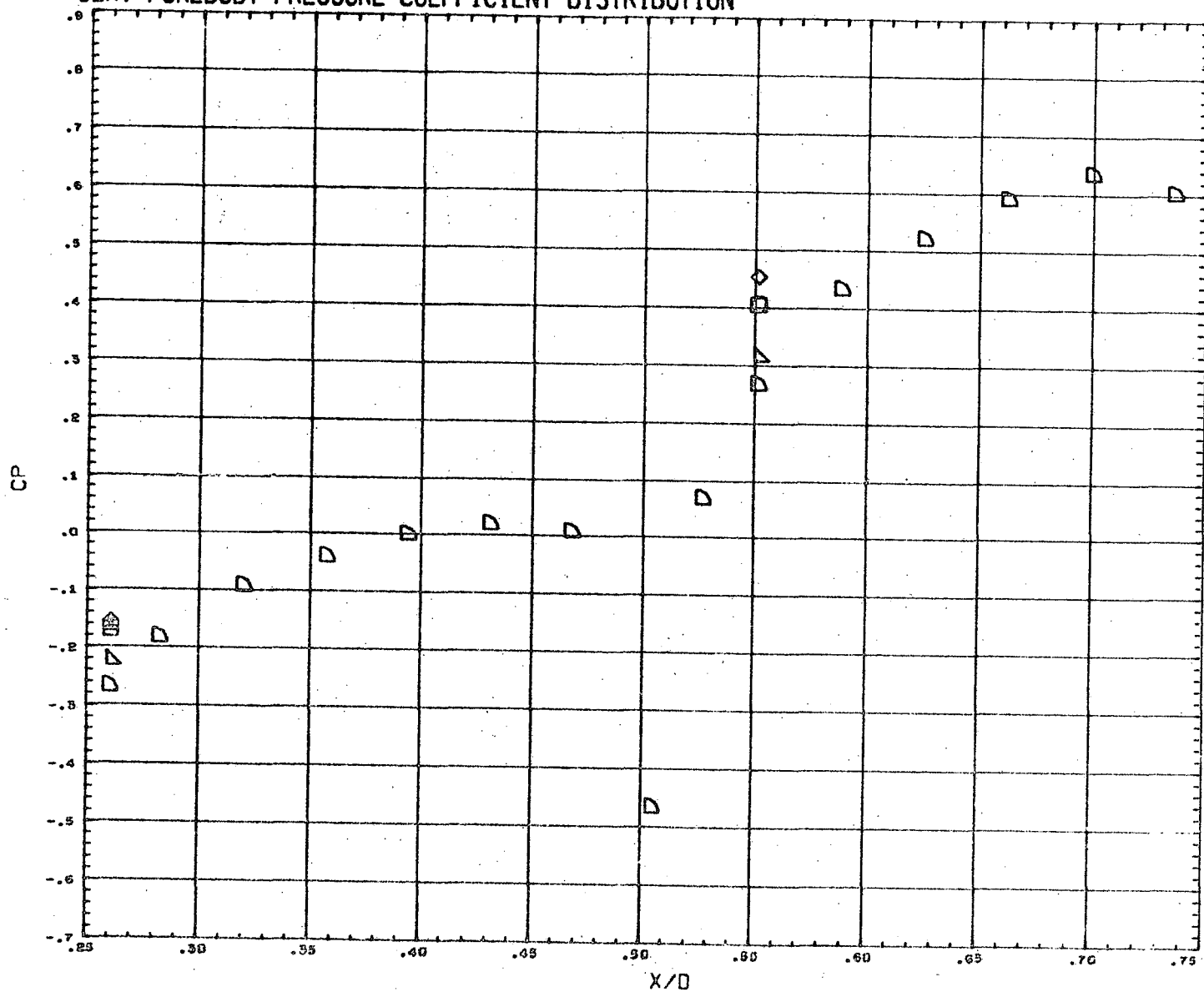
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THEIA	FRATIO	MACH					PARAMETRIC VALUES		
○	0.000	302.353	0.801	SKEF	572.557	59. IN.	E/DOOR	0.000	ALPHA	0.004
△	20.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◇	40.000			BREF	27.000	INCHES				
□	60.000			XMRP	0.000	DIAMTR				
◻	79.000			YMRP	0.000	DIAMTR				
◼	89.000			ZMRP	0.000	DIAMTR				
0540800 35.7462E CC80 TN-AP-70-443										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES			
□	100.000	302.353	0.001	SREF	572.557	SQ. IN.	E/DOOR
△	101.000			LREF	27.000	INCHES	PC
◇	120.000			BREF	27.000	INCHES	
□	140.000			XMRP	0.000	DIAMTR	
△	160.000			YMRP	0.000	DIAMTR	
◇	180.000			ZMRP	0.000	DIAMTR	

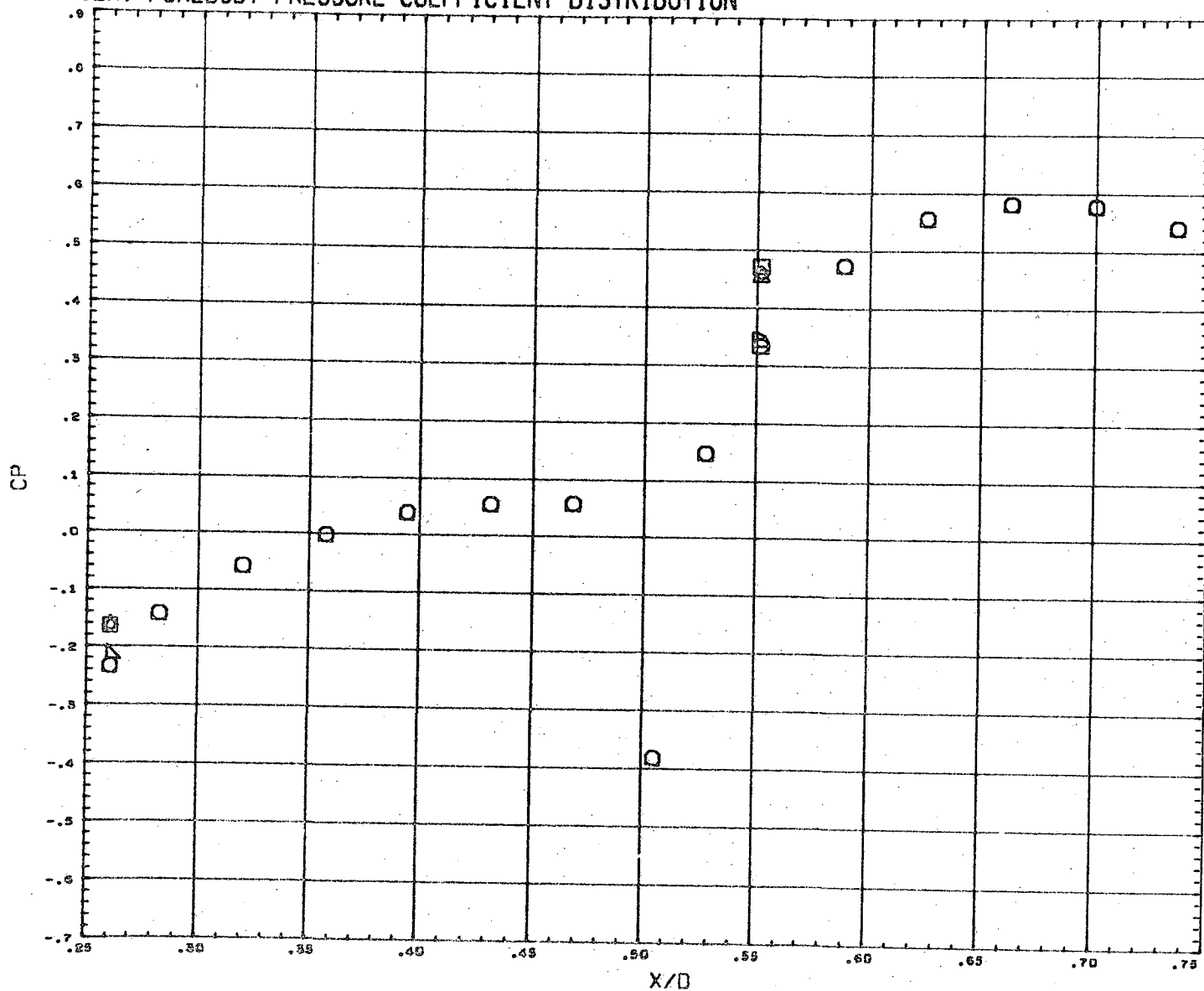
AECD TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



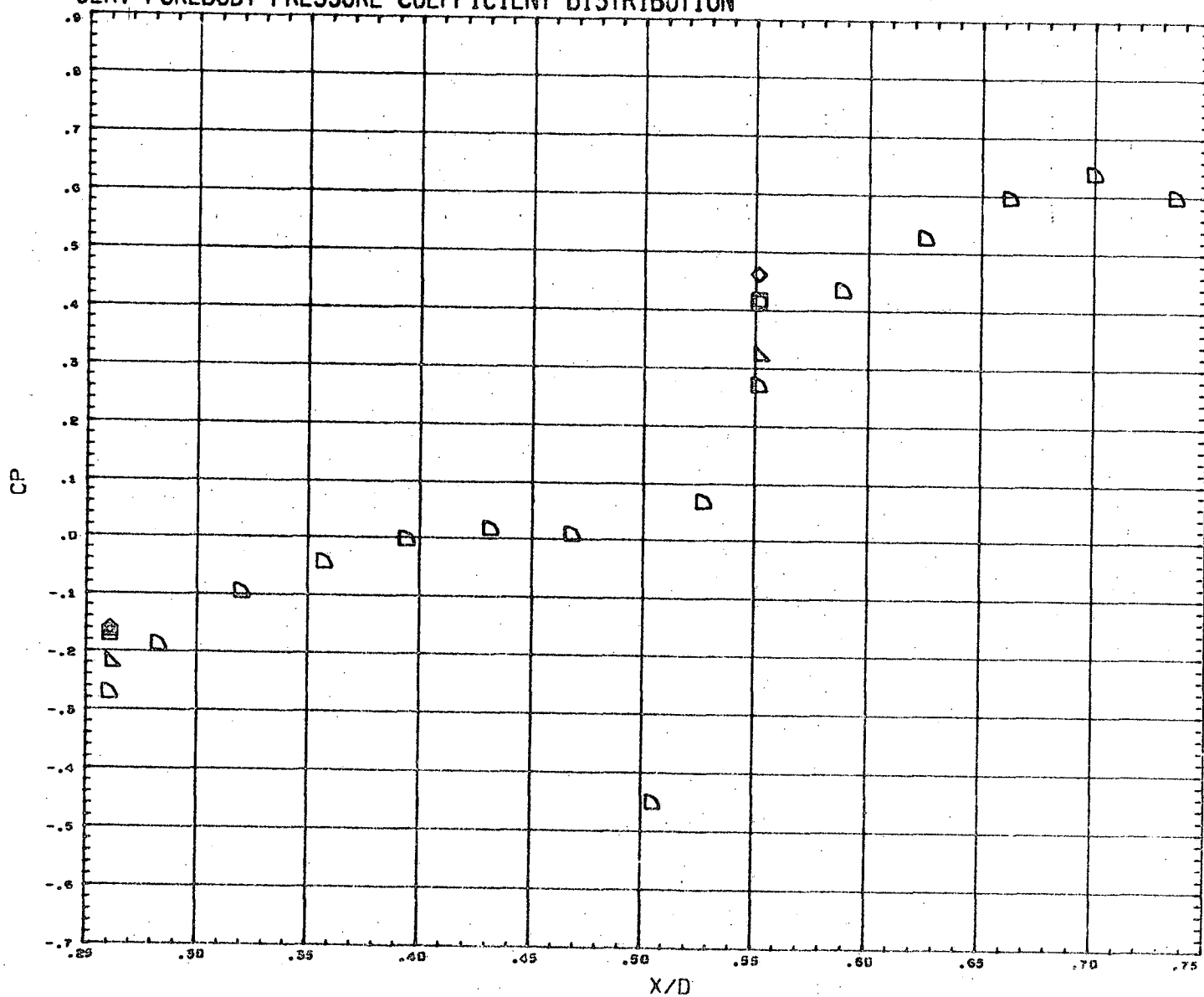
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
□	0.000	400.097	0.790	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	20.000			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	40.000											
◻	60.000											
◼	70.000											
◽	80.000											

087123368.F608E CC80 TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

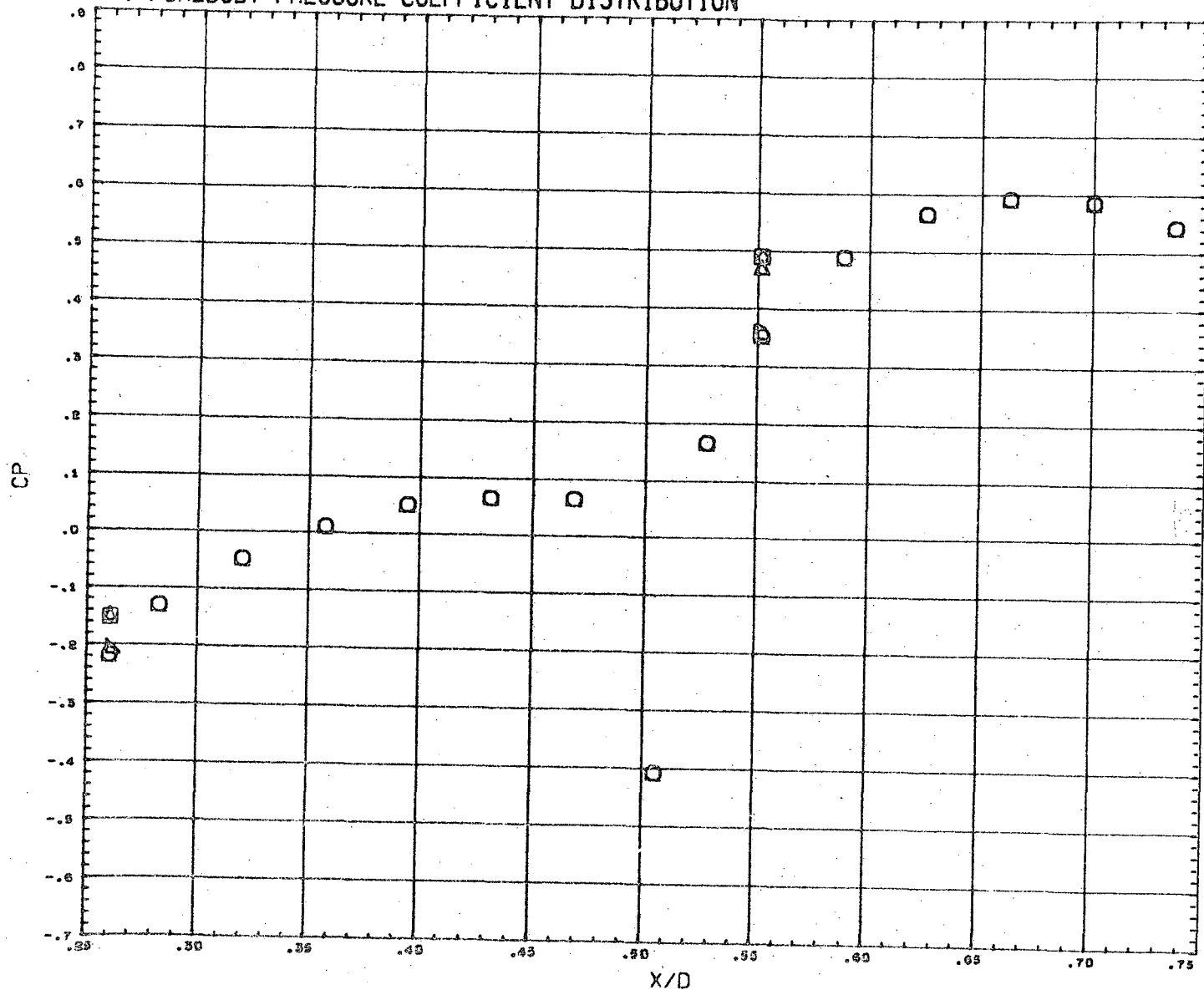
PAGE 9

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
○	100.000	400.087	0.798	SREF	572.557	SQ.IN.	E/DOOR
△	101.000			LREF	27.000	INCHES	0.000
◇	120.000			BREF	27.000	INCHES	ALPHA
□	140.000			XMRP	0.000	DIAMTR	0.004
▽	160.000			YMRP	0.000	DIAMTR	0.000
◇	160.000			ZMRP	0.000	DIAMTR	
◇	160.000	00000000.FC00E	CS00 TH-AP-70-445				PC
							404.679
							WS/WPC

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

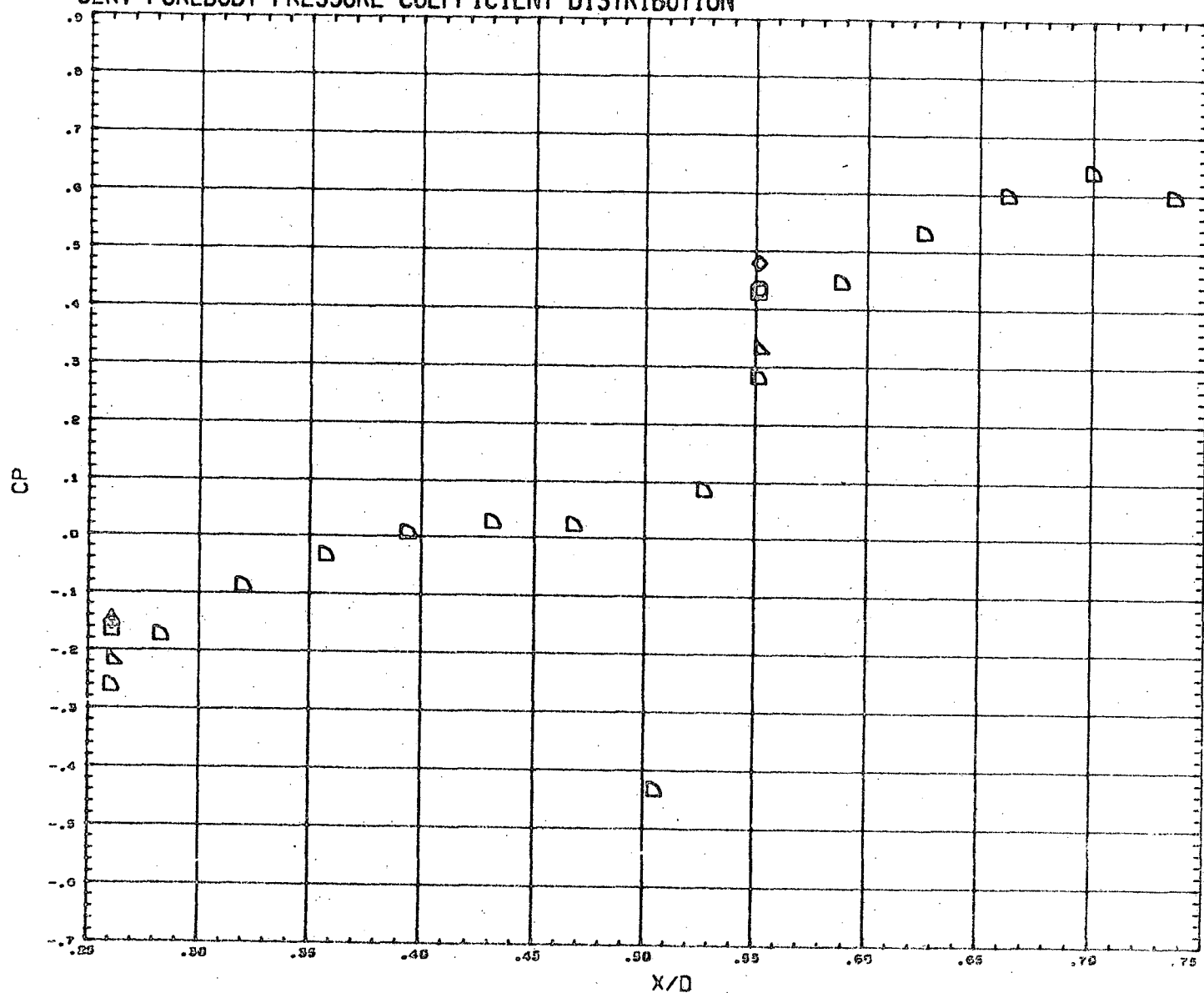


SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
□	0.000	139.307	0.788	LREF	27.000	INCHES	0.000	ALPHA	0.004
□	20.000			BREF	27.000	INCHES	PC	404.679	WS/WPC
□	40.000			XMRP	0.000	DIAMTR			0.000
□	60.000			YMRP	0.000	DIAMTR			
□	70.000			ZMRP	0.000	DIAMTR			
□	90.000								

BASELINE 000.F000E CCSD TM-AP-70-445

AFDD TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

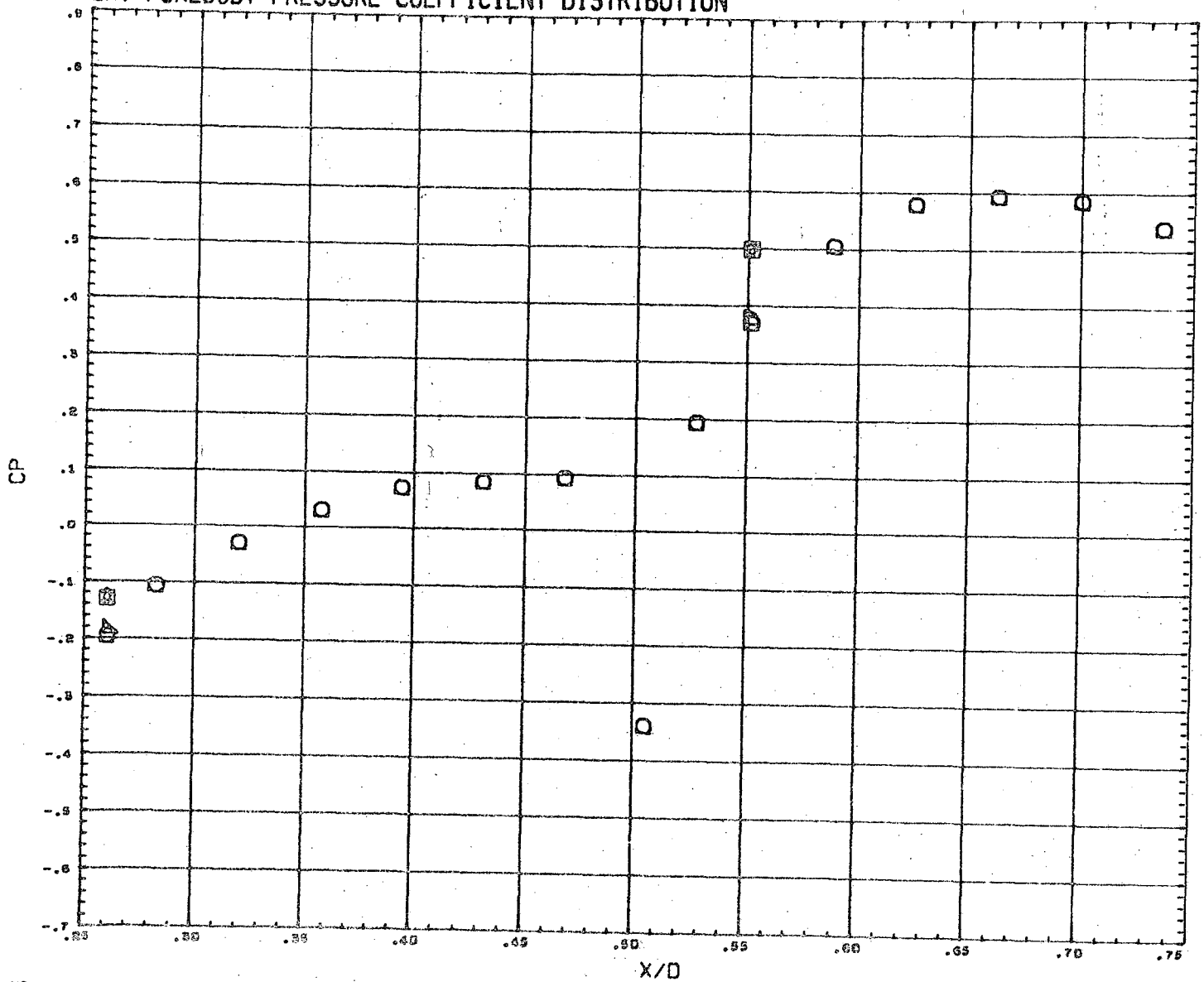
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	HACH	SREF	LREF	BREF	XHREF	YHREF	ZHREF	E/DOOR	PC	PARAMETRIC VALUES		
100.000	499.307	0.709	572.557	59.1N.	27.000	27.000	27.000	0.000	0.000	0.000	0.000	ALPHA	0.004	
101.000			27.000	INCHES	27.000	INCHES	27.000	DIAMTR	0.000	404.679	WS/WPC	0.000		
120.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000					
140.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000					
160.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000					
180.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000					

AECC TE250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

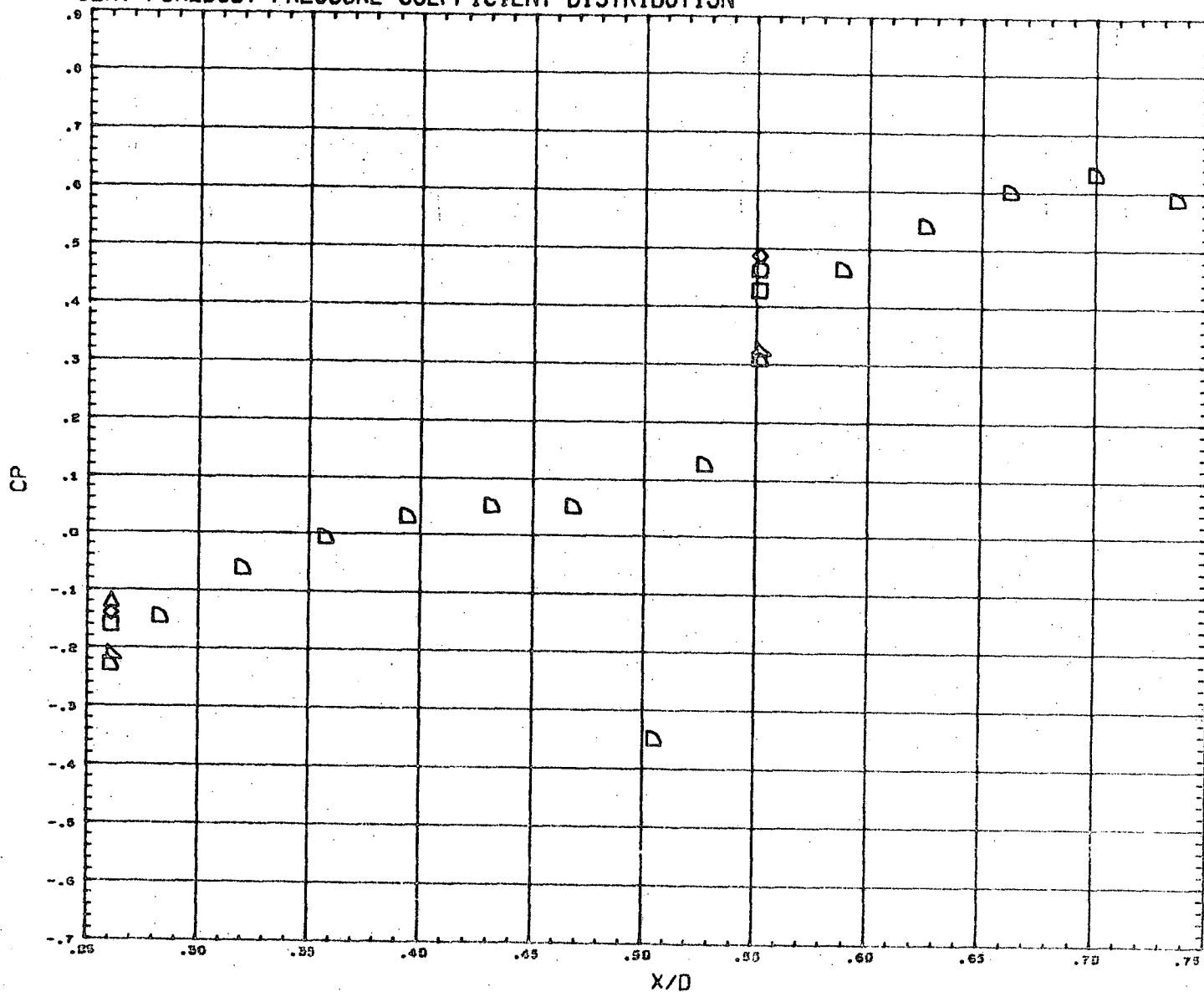
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	20.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	40.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	
□	60.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	
▤	70.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	
▥	80.000	0.000	0.003	572.957	50.000	27.000	0.000	0.000	0.000	

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES
○	100.000	600.802	0.833	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.675	ALPHA 0.000
◇	101.000											WC/WPC 0.000
◇	120.000											
◇	140.000											
◇	160.000											
◇	180.000											

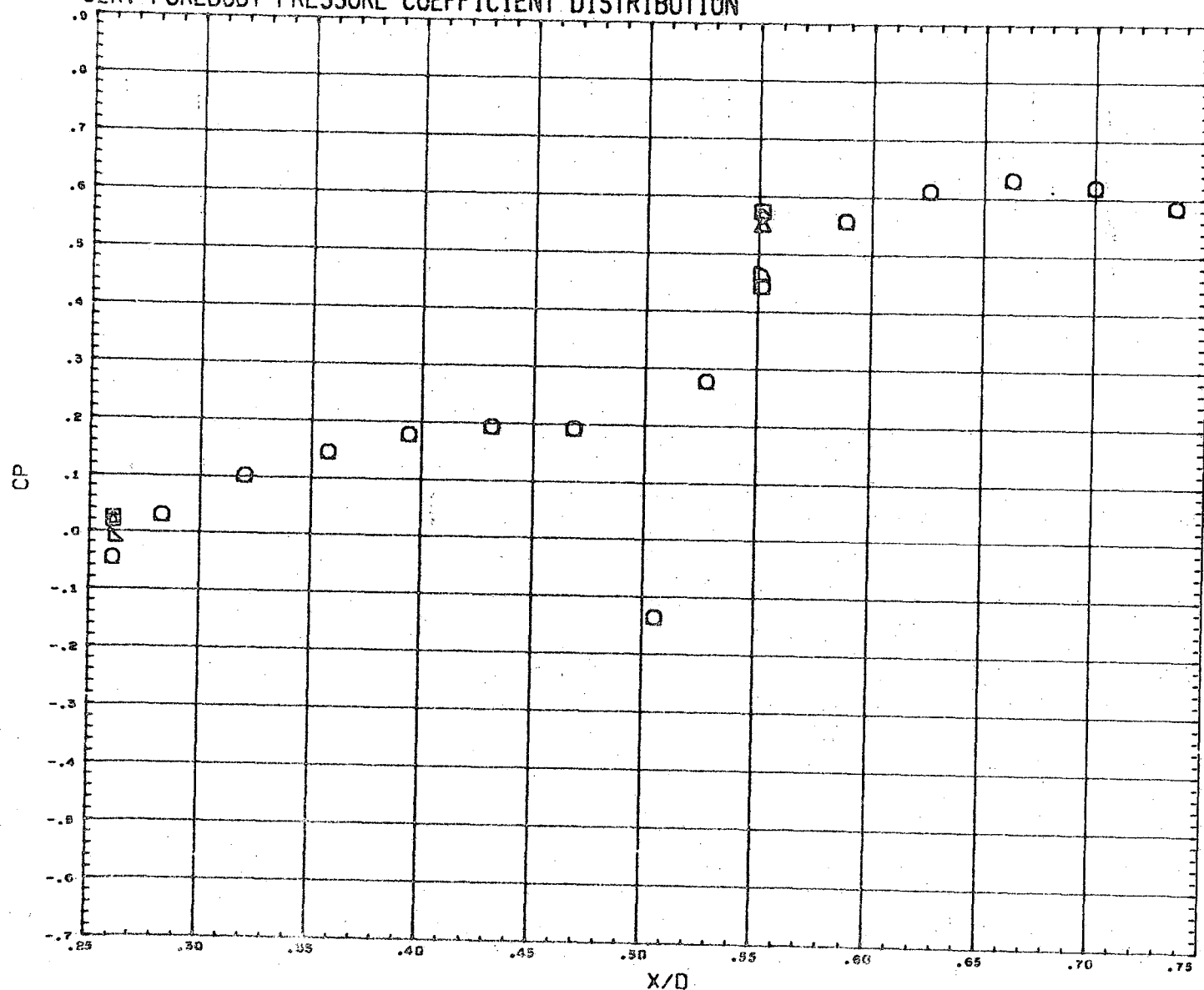
86708865.F608E CCSD TN-AP-70-445

AFCO TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	306.157	0.900	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
△	20.000			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
◇	40.000			BREF	27.000	INCHES				
◻	60.000			XMRP	0.000	DIAMTR				
◻	70.000			YMRP	0.000	DIAMTR				
◻	80.000			ZMRP	0.000	DIAMTR				

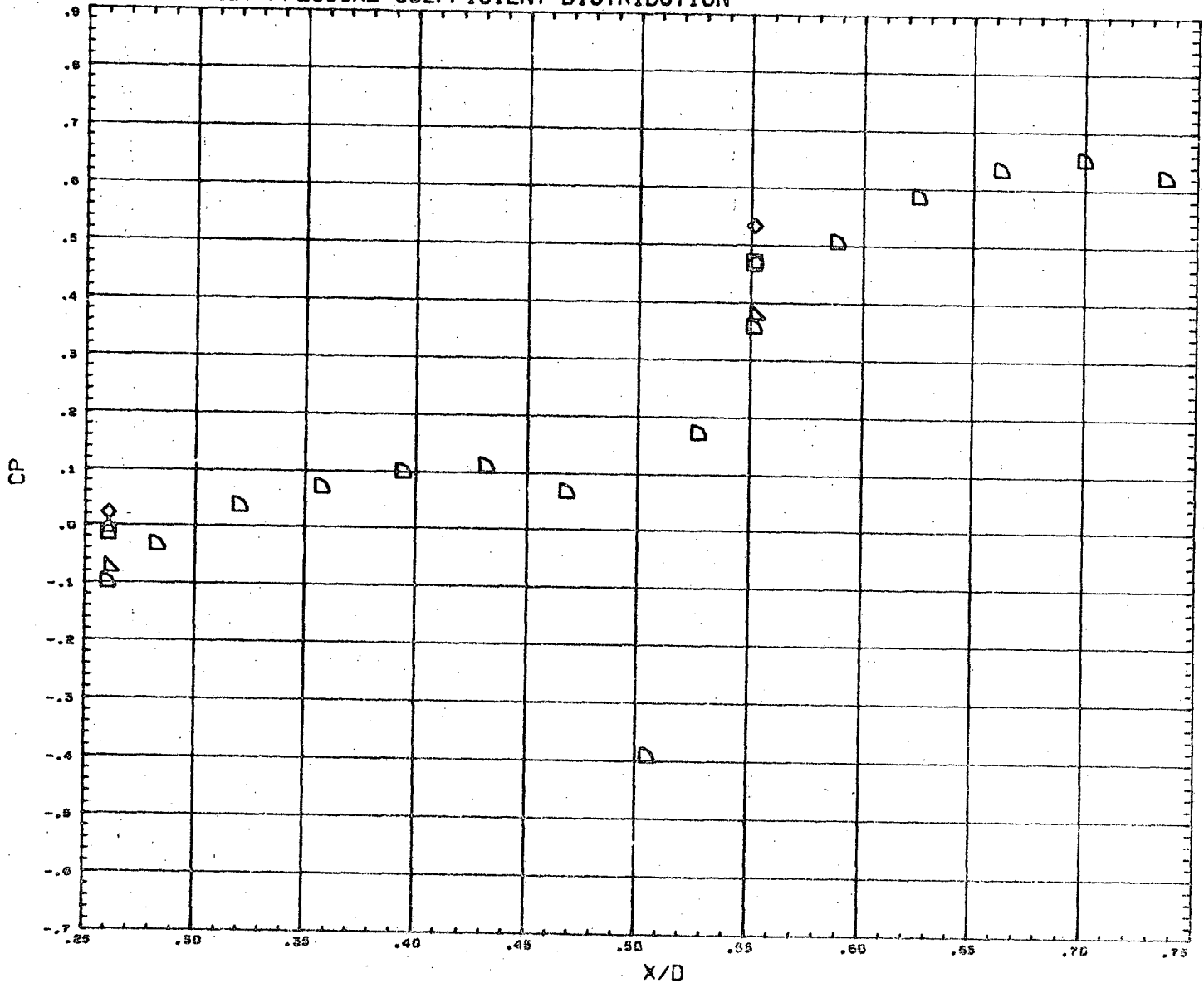
DATA SOURCE: F608E CCSD TN-AP-70-445

AEDC TEST 250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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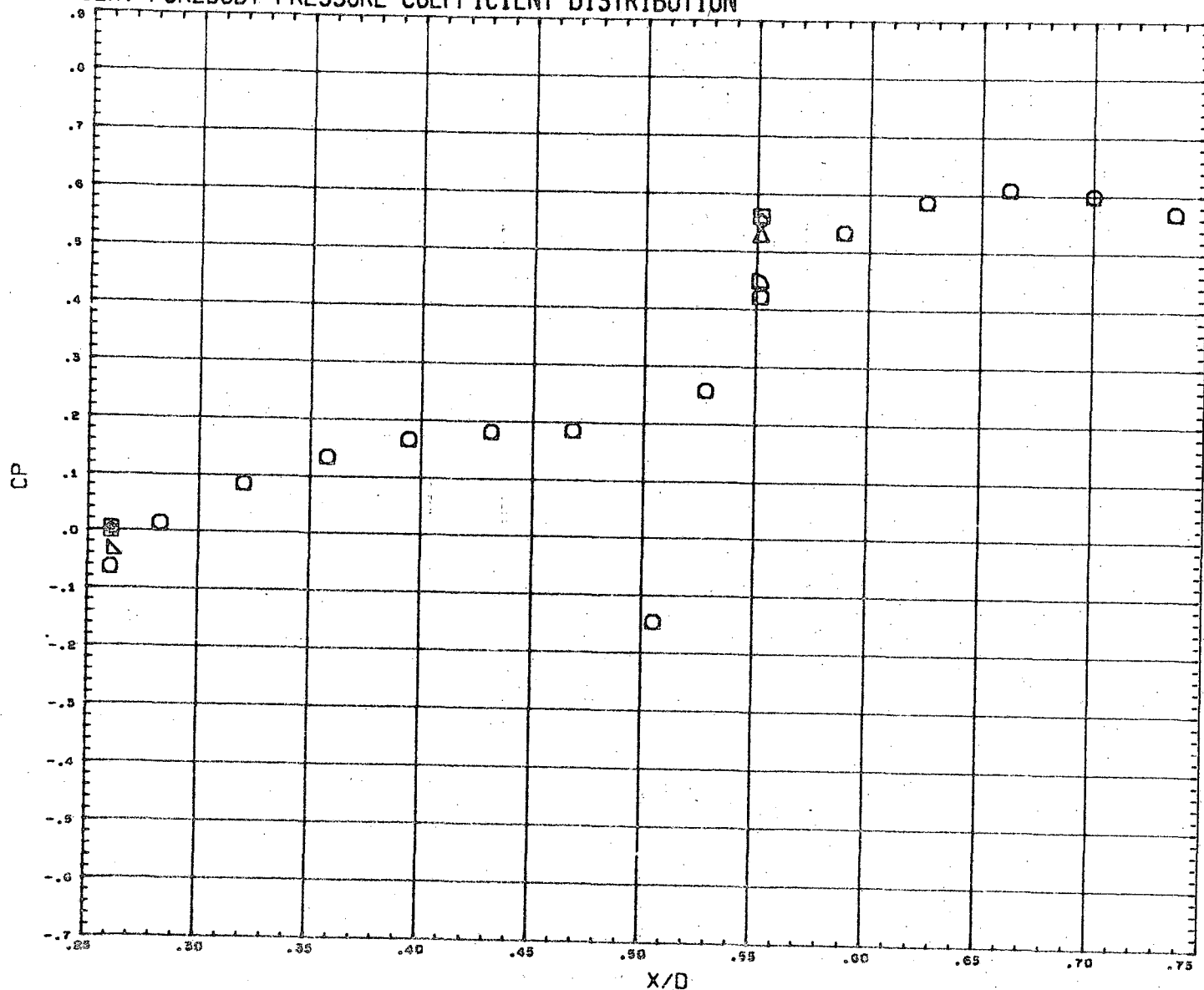
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	HACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES
○	100.000	306.157	0.905	LREF	27.000	INCHES	0.000	ALPHA 0.004
△	101.000			BREF	27.000	INCHES	PC 404.575	WS/WPC 0.000
◇	120.000			XMRP	0.000	DIAMTR		
□	140.000			YMRP	0.000	DIAMTR		
▽	160.000			ZMRP	0.000	DIAMTR		
◇	180.000	00000000.FE02E	CCOD TM-AP-70-449					

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

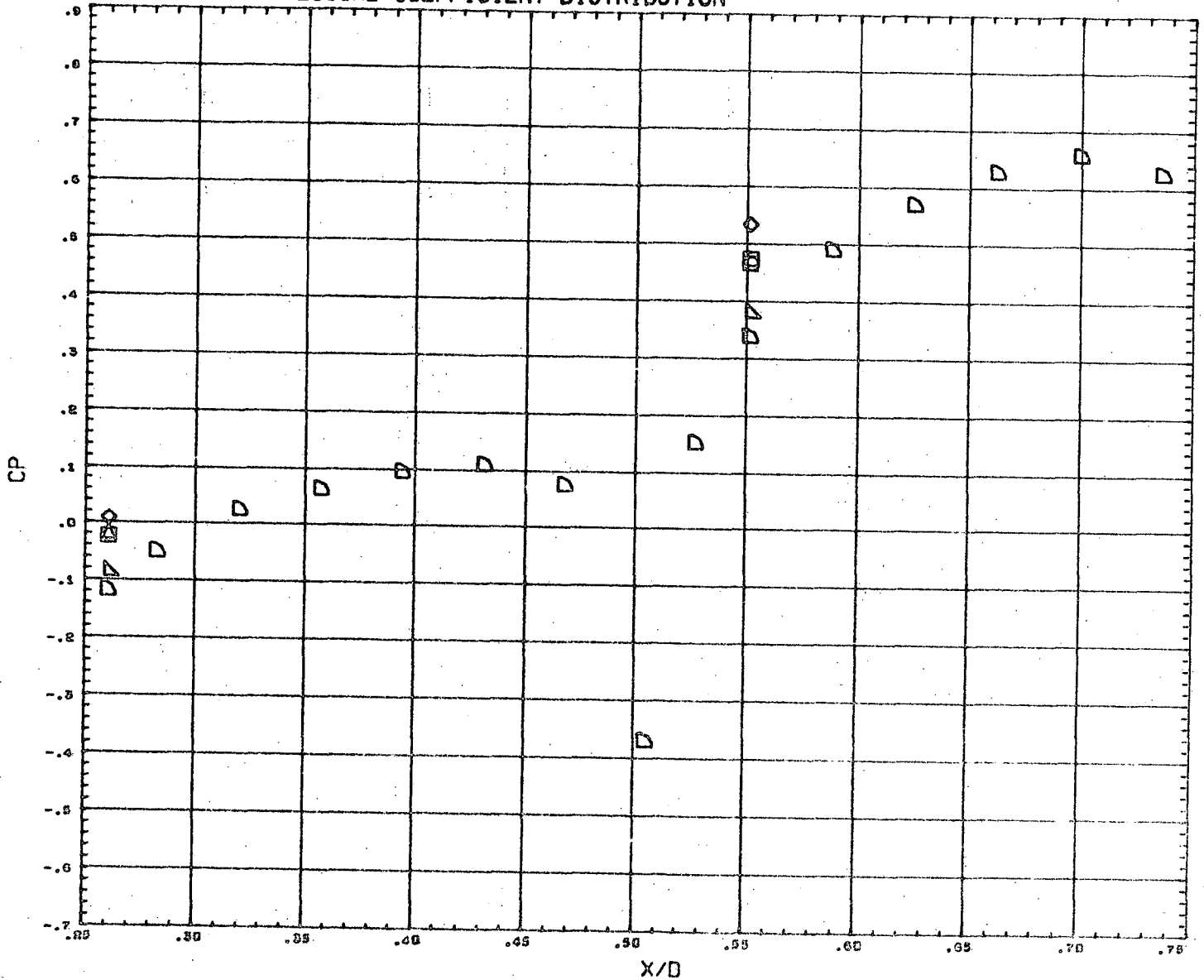
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	PARAMETRIC VALUES
□	0.000	399.797	0.900	572.537	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	20.000			59.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	40.000									
□	60.000									
△	79.000									
◇	90.000									

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

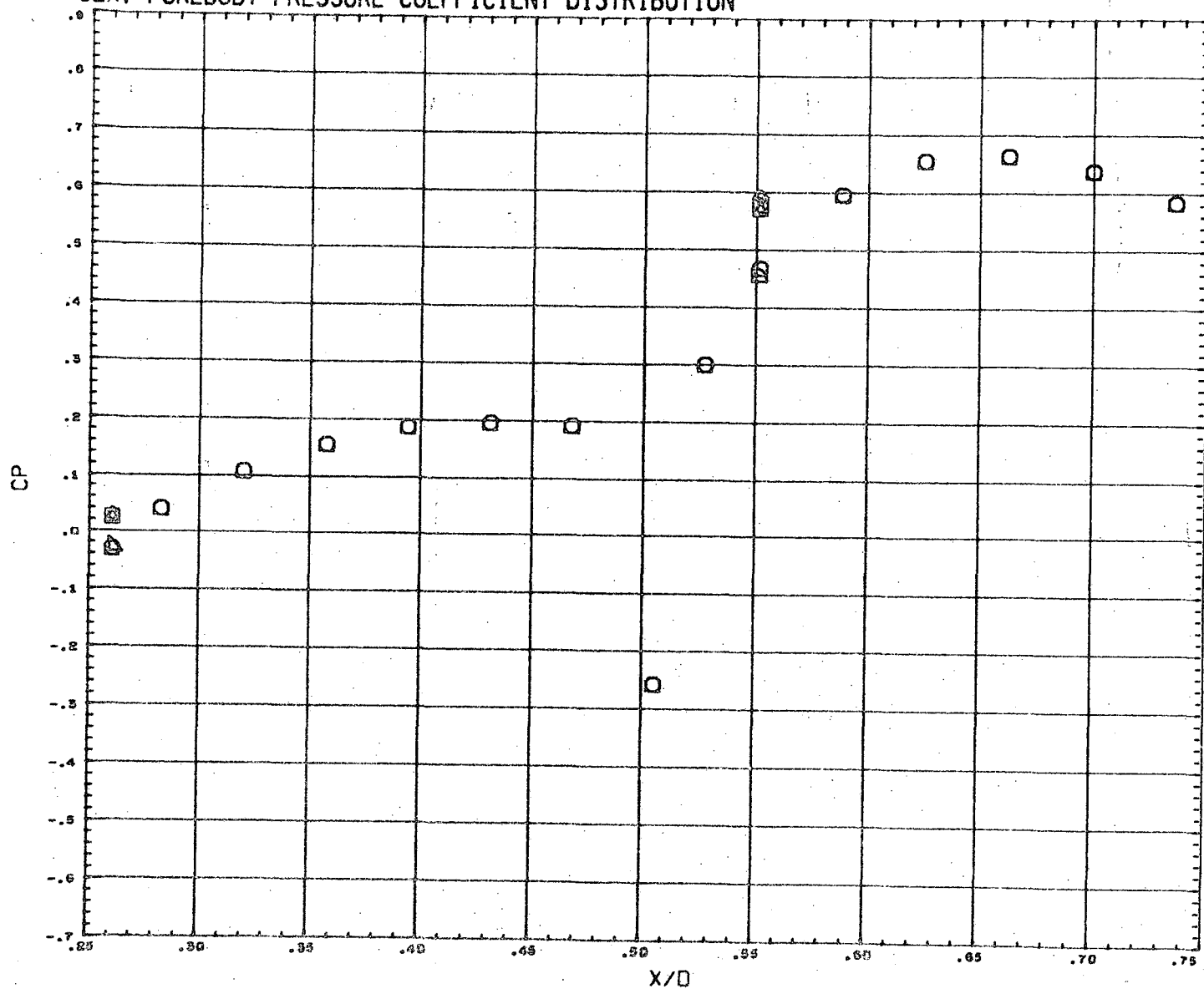
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WIC
◇	100.000	399.707	0.900	372.557	27.000	27.000	0.000	0.000	0.000	50.1N.	0.000	404.67%	0.000	0.000
◇	101.000			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	102.000													
◇	140.000													
◇	160.000													
◇	100.000	03588908.F000E	CCSD TM-AP-70-048											

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



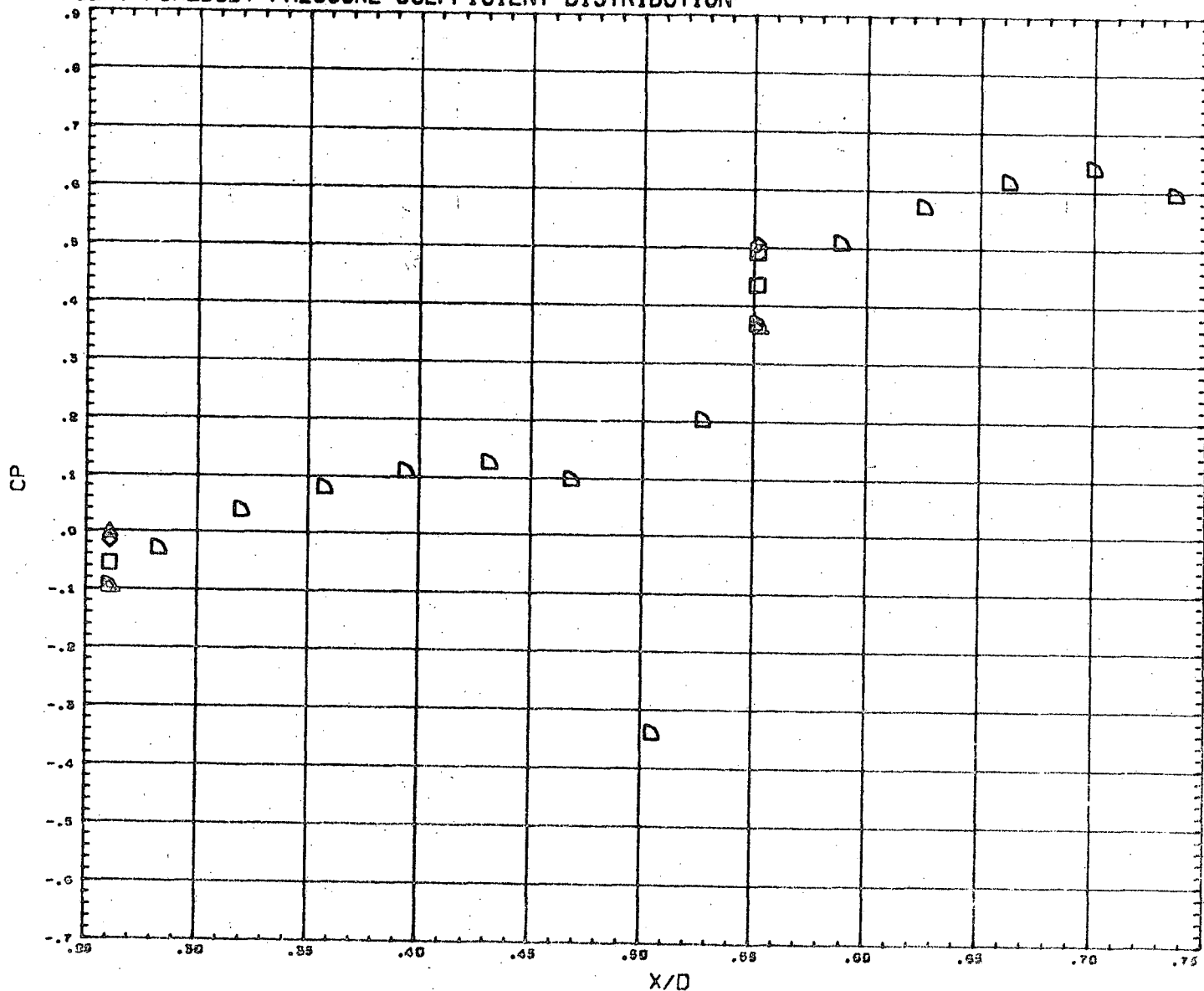
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.000	0.000	0.093	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	20.000	0.000		50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000
◇	40.000									
□	60.000									
▤	79.000									
▥	80.000	0.000								

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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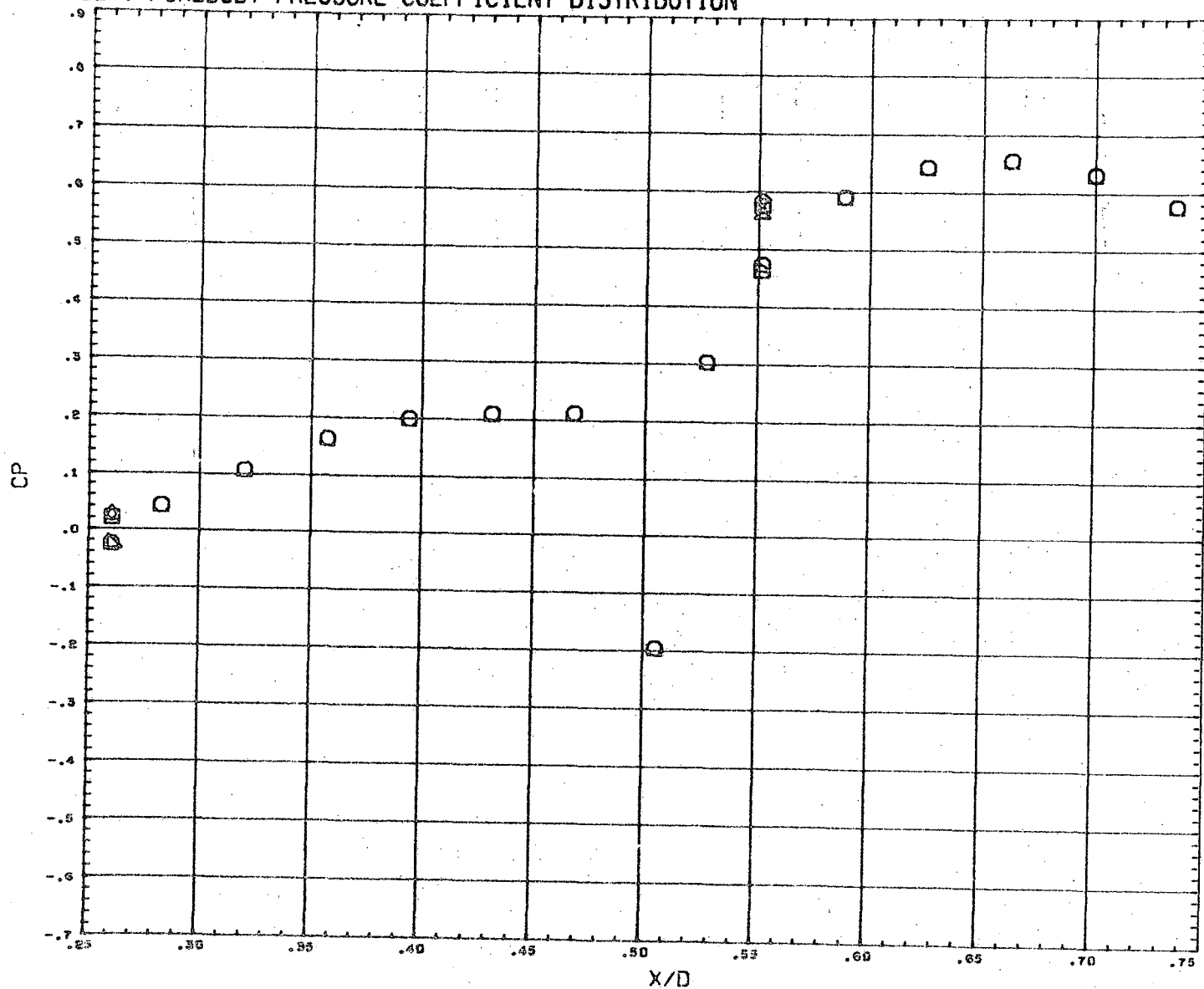
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
○	100.000	600.200	0.995	SREF	972.557	59. IN.	E/DOOR
△	101.000			LREF	27.000	INCHES	0.000
◇	120.000			BREF	27.000	INCHES	ALPHA
□	140.000			XMRP	0.000	DIAMTR	0.004
◇	160.000			YMRP	0.000	DIAMTR	PC
D	180.000			ZMRP	0.000	DIAMTR	404.679
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							0.000

1500 75250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

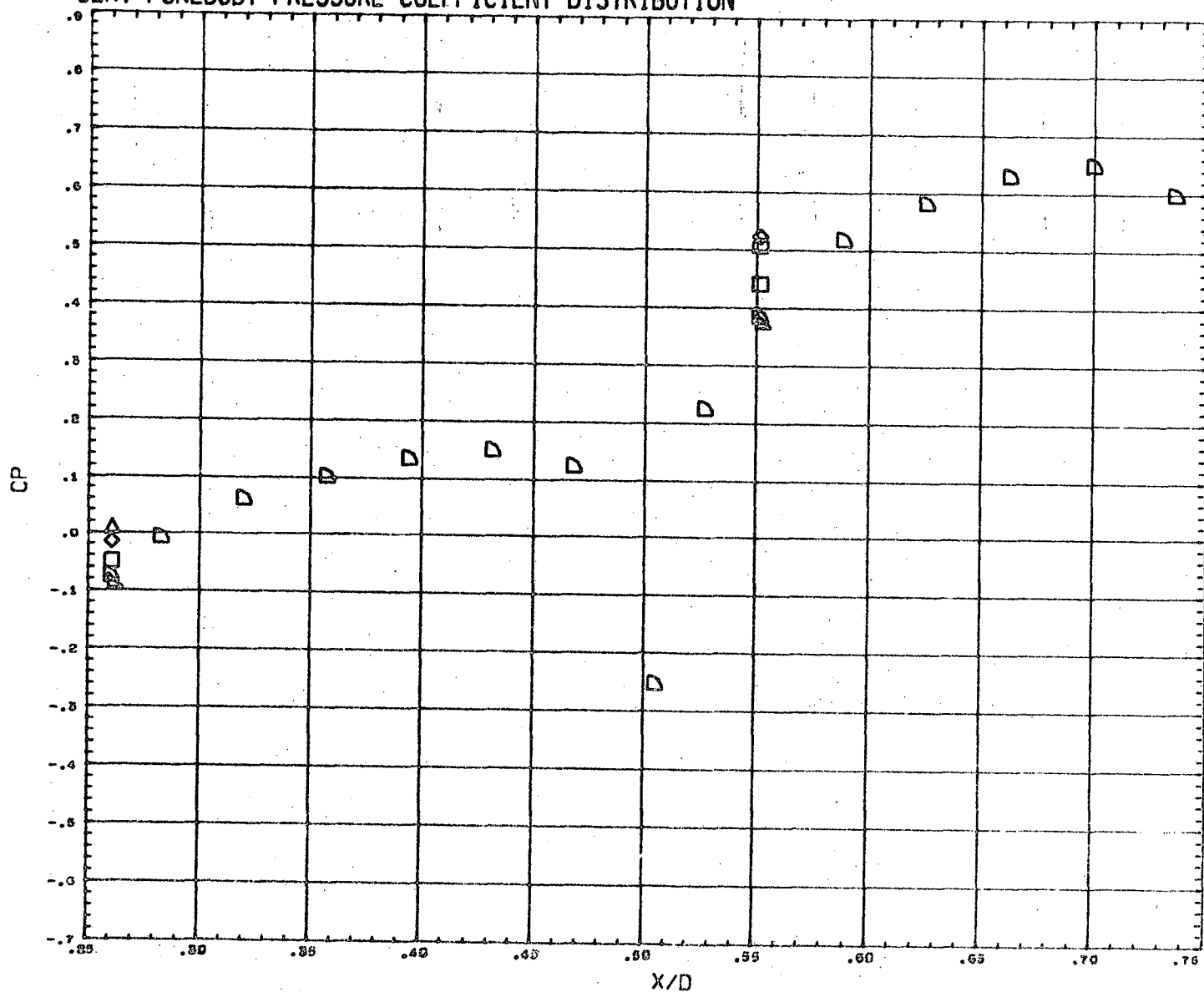
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WFC
0.000	812.557	0.982	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
20.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
40.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
60.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
80.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
100.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



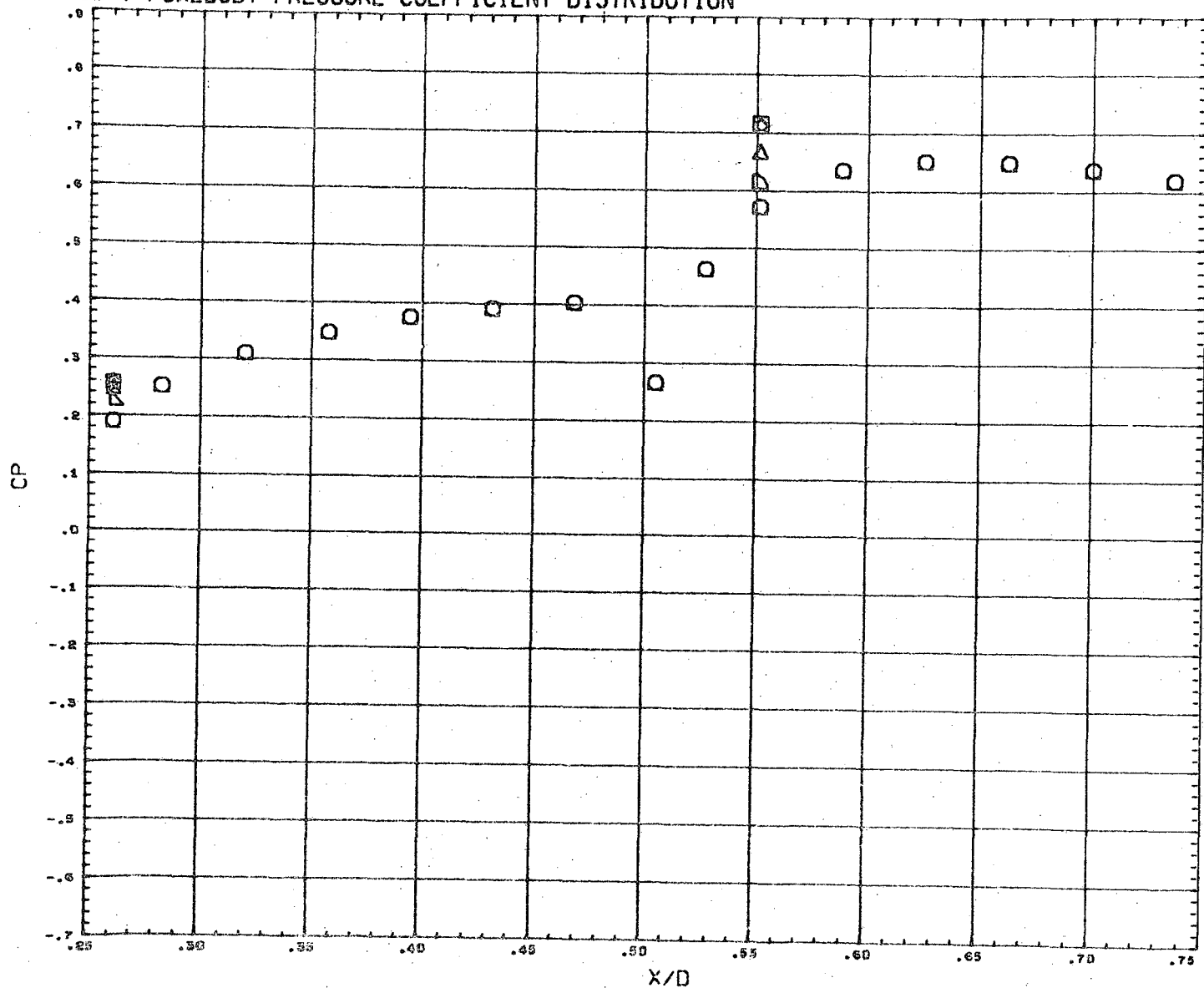
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WFC
○	100.000	0.12.557	0.902	572.957	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.672	0.000	0.000
△	120.000			50.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	140.000													
□	160.000													
◻	180.000													

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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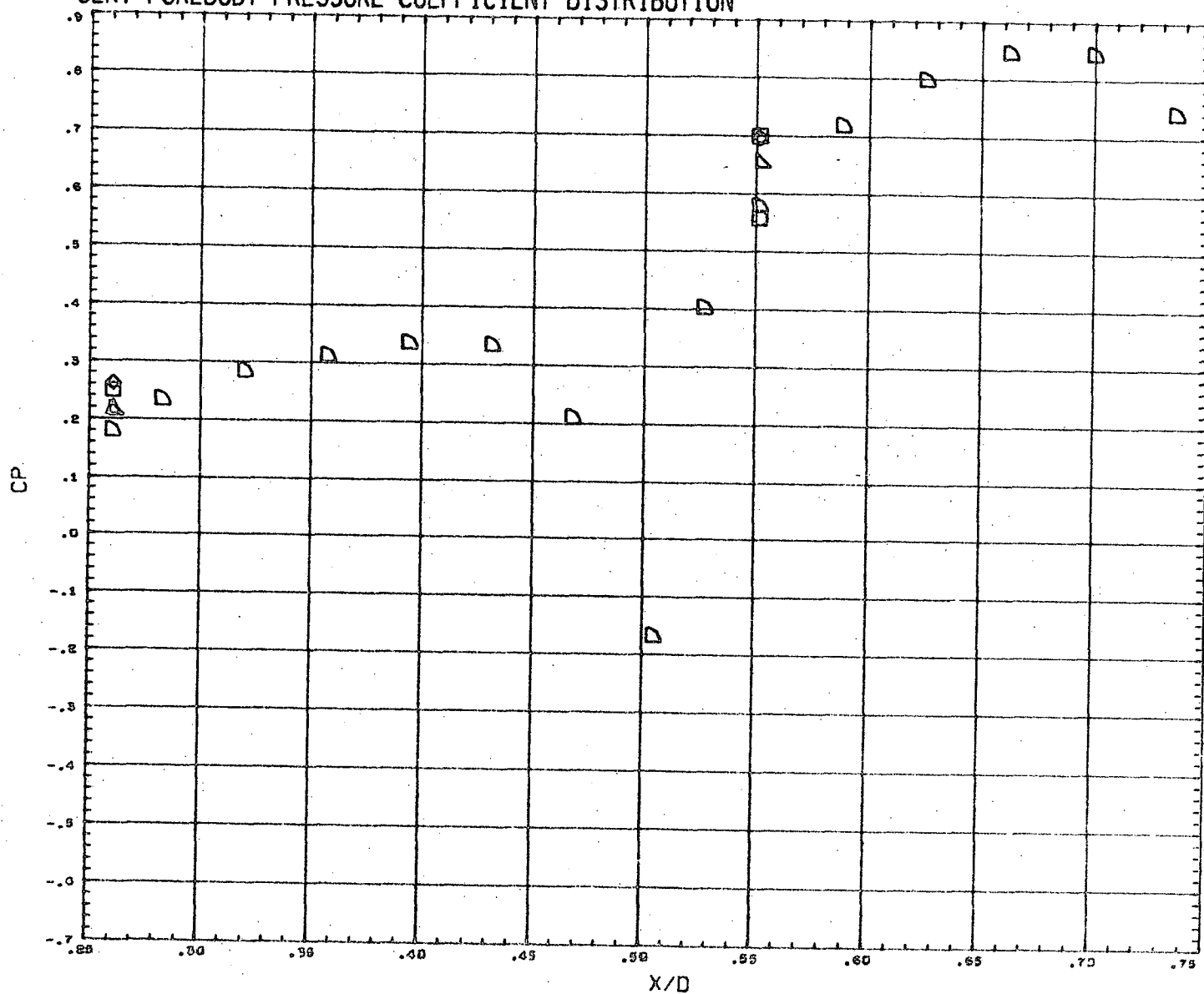
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SR.IN.	PARAMETRIC VALUES		
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20.000			BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
40.000			XMRP	0.000	DIAMTR				
60.000			YMRP	0.000	DIAMTR				
79.000			ZMRP	0.000	DIAMTR				
80.000									

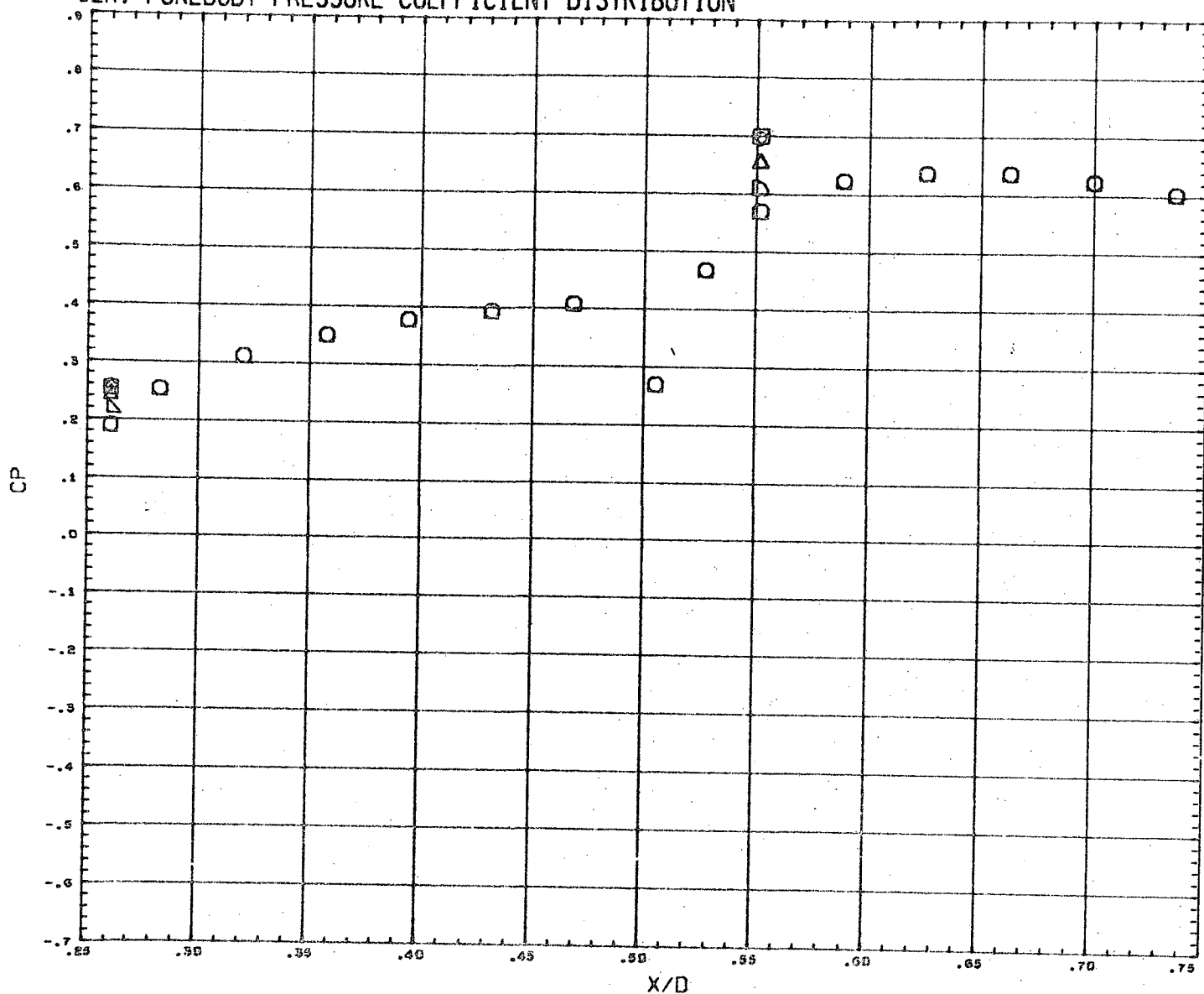
AFDD TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH					PARAMETRIC VALUES		
△	100.000	395.993	1.100	SREF	572.557	59. IN.	E/DOOR	0.000	ALPHA	0.004
◇	101.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	120.000			BREF	27.000	INCHES				
◇	140.000			XMRP	0.000	DIAMTR				
◇	160.000			YMRP	0.000	DIAMTR				
◇	180.000			ZMRP	0.000	DIAMTR				
		BS/DRD000.FC00E	CC00 TN-AP-70-449							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



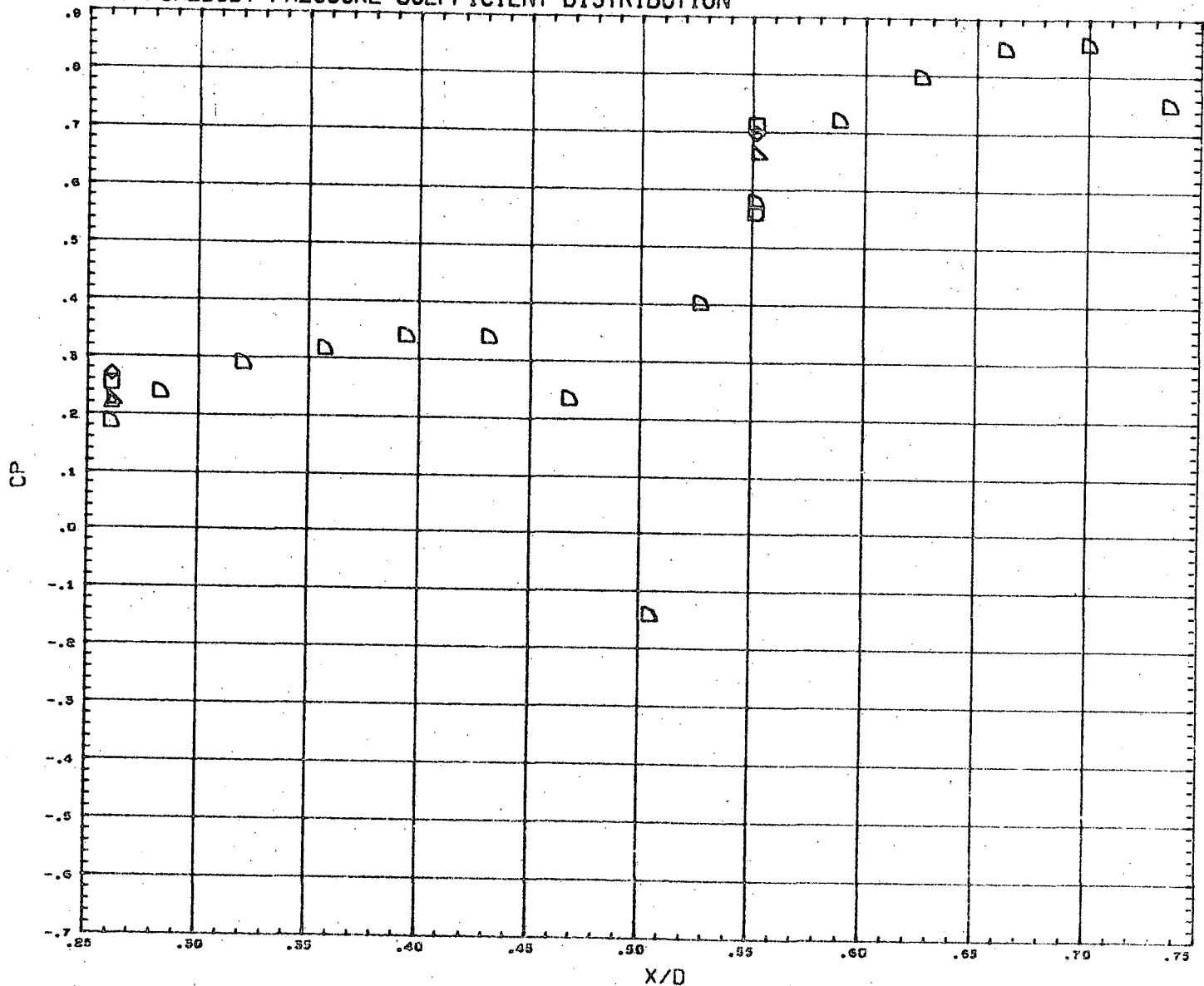
X7D										
SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	491.380	1.101	SREF	572.557	58.IN.	E/DOOR	0.000	ALPHA	0.004
△	20.000			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
◇	40.000			BREF	27.000	INCHES				
□	60.000			XNRF	0.000	DIAMTR				
▽	76.000			YNRF	0.000	DIAMTR				
D	80.000	0.0000000000	0.000	ZNRF	0.000	DIAMTR				
		0.0000000000		CCSD TN-AP-7D-445						

CCSD TN-AP-70-445

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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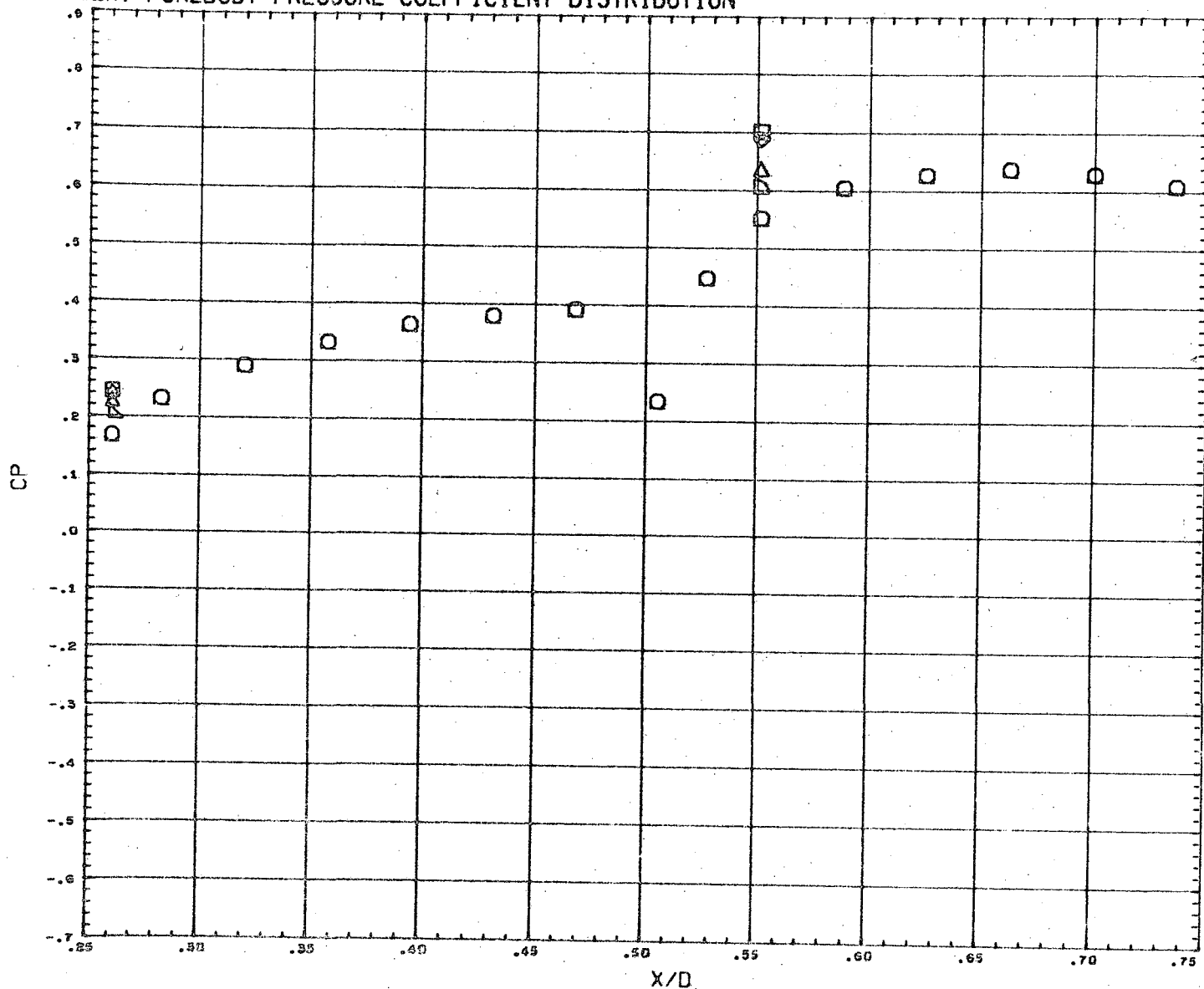
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



				X70						
SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
○	100.000	491.380	1.101	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	101.000			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.001
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIAMTR				
▤	160.000			YMRP	0.000	DIAMTR				
▥	180.000			ZMRP	0.000	DIAMTR				
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DATA SOURCE: F6C3E CCSD TN-AP-70-445

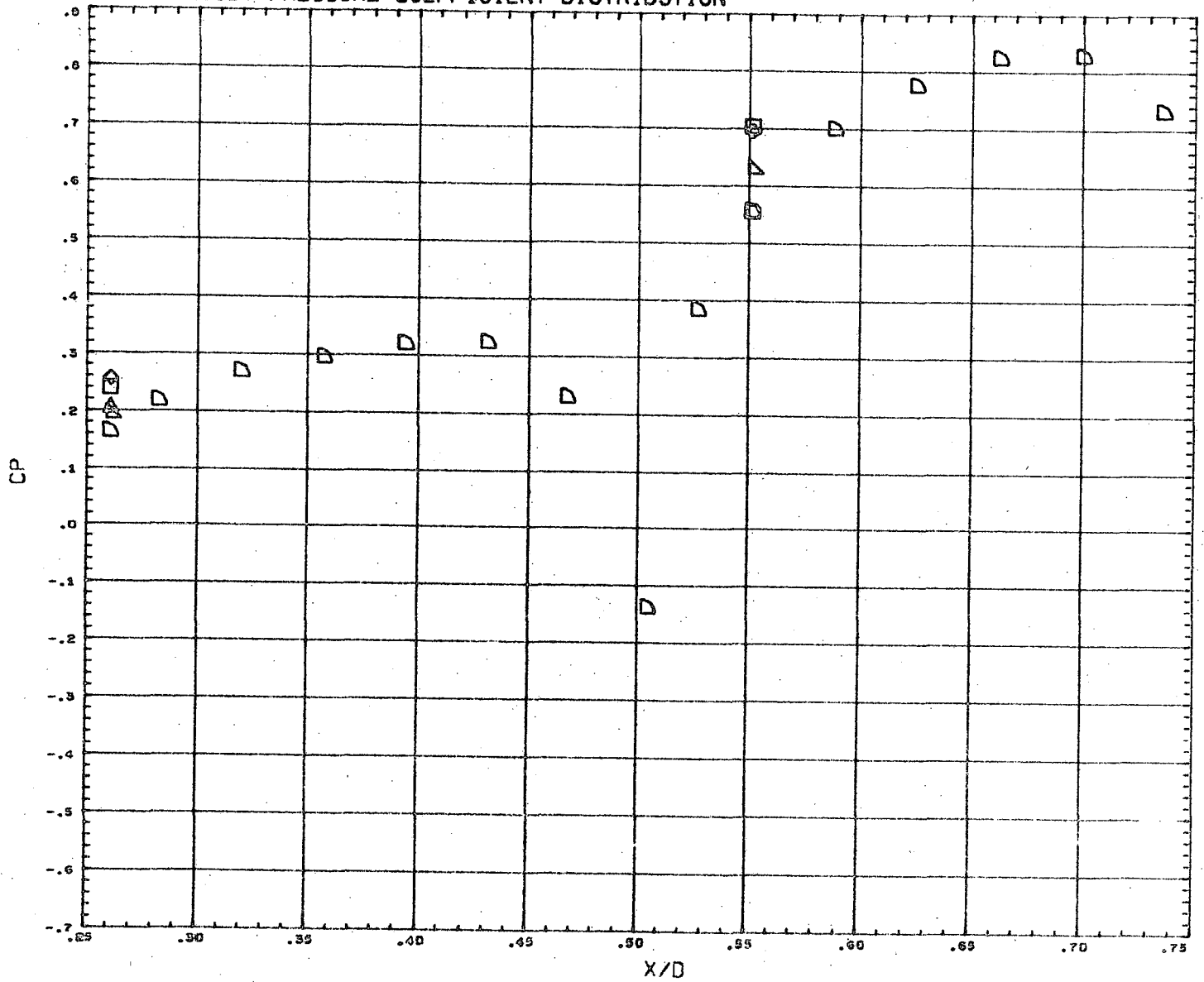
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
◇	0.000	599.127	1.000	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
◇	20.000			BREF	27.000	INCHES		404.679	WS/WFC	0.000
◇	40.000			XMRP	0.000	DIAMTR				
◇	60.000			YMRP	0.000	DIAMTR				
◇	79.000			ZMRP	0.000	DIAMTR				
◇	90.000									

DATA SOURCE: FLEET CCSD TN-AP-70-445

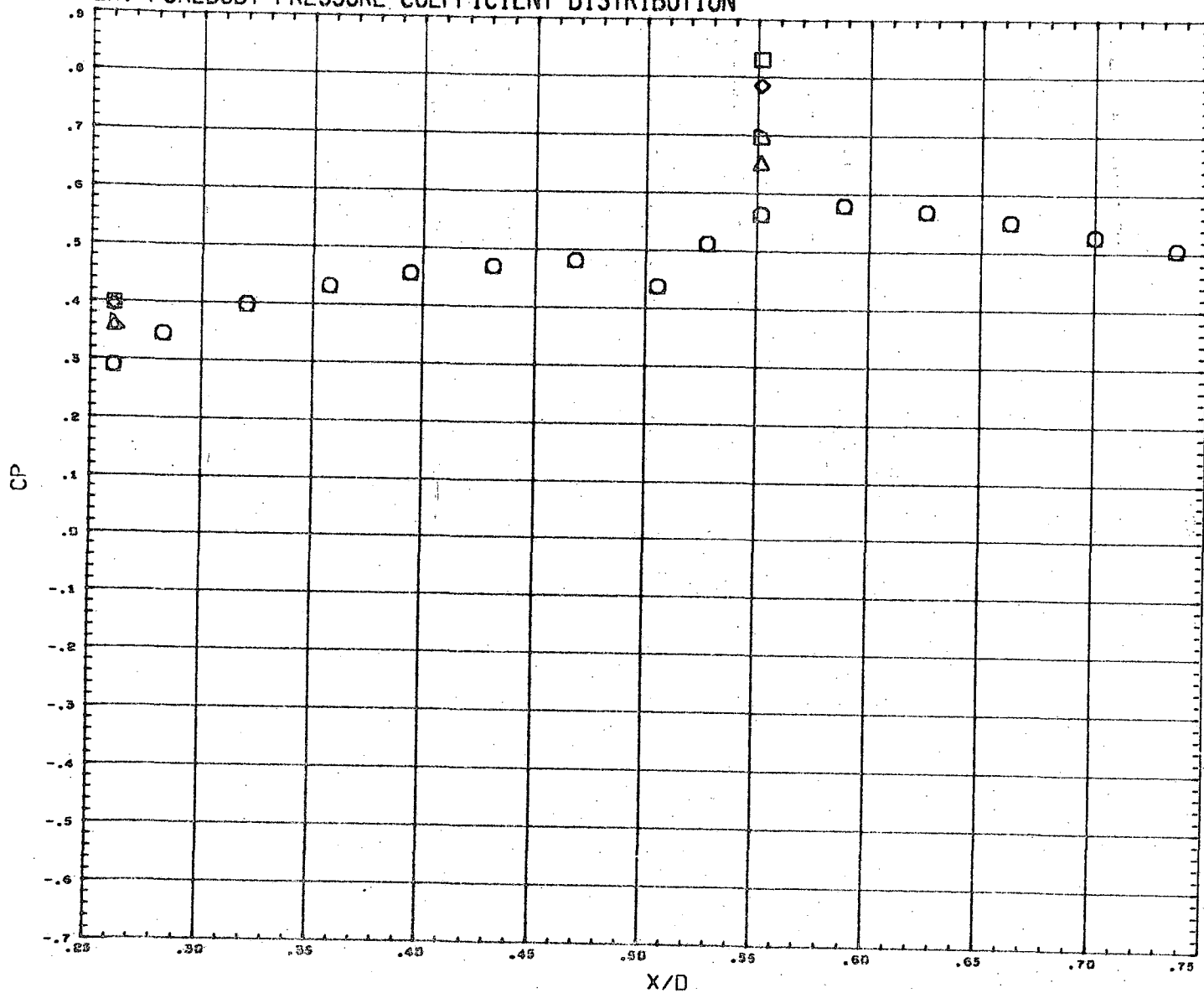
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES						
○	100.000	599.127	1.089	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIAMTR				
▤	160.000			YMRP	0.000	DIAMTR				
▥	180.000	DATAERROR.FCLOSE	CCOD TN-AP-70-449	ZMRP	0.000	DIAMTR				

DATA SOURCE: F042E CCOD TN-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

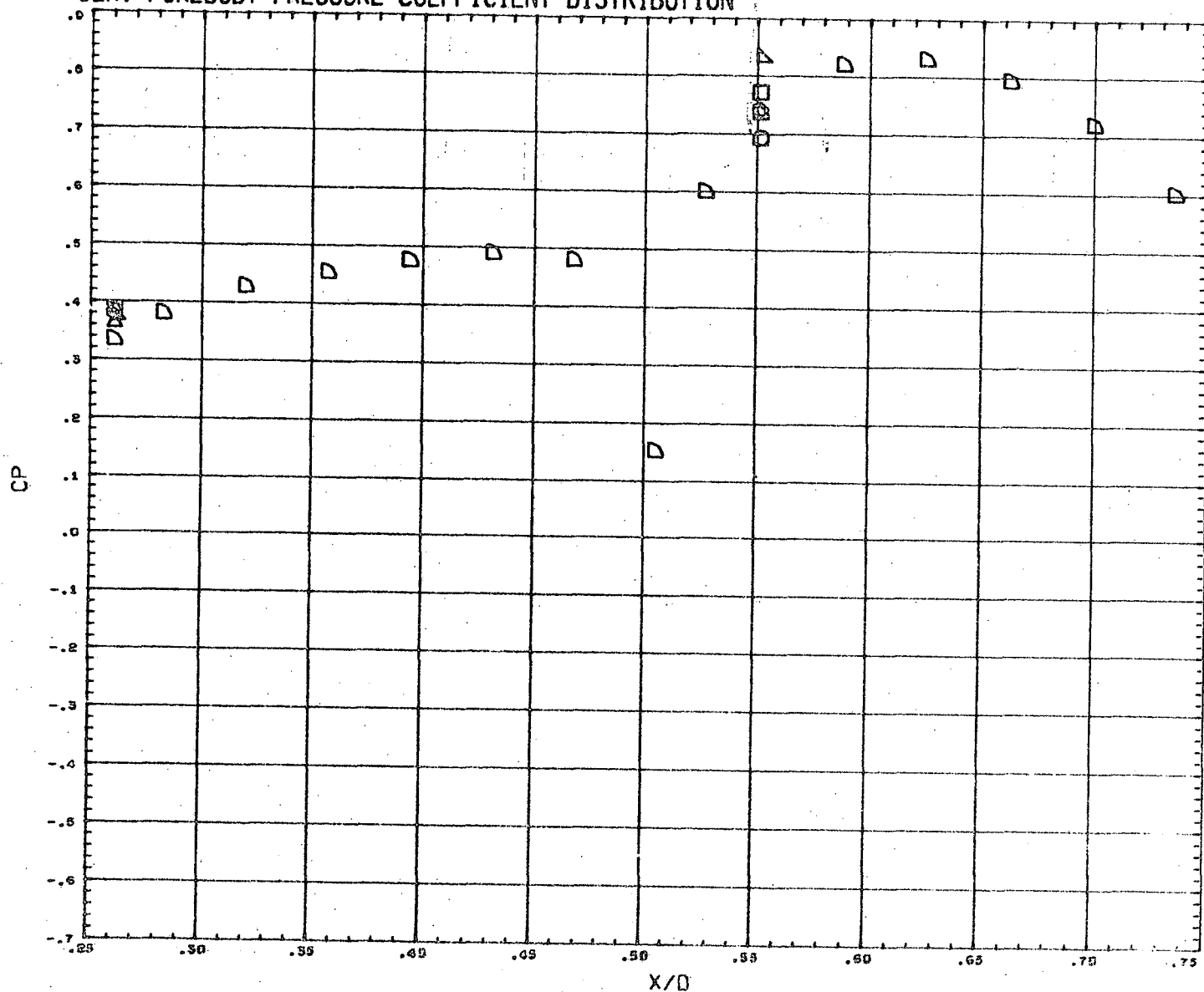


SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
○	0.000	406.123	1.254	LREF	27.000	INCHES	0.000	ALPHA	0.004
□	20.000			BREF	27.000	INCHES	PC	404.679	WS/WFC
◇	40.000			XMRP	0.000	DIAMTR			0.000
△	60.000			YMRP	0.000	DIAMTR			
▽	70.000			ZMRP	0.000	DIAMTR			
○	80.000								

SENSORS BY FICOR CCOD TN-AP-70-445

AFDD TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



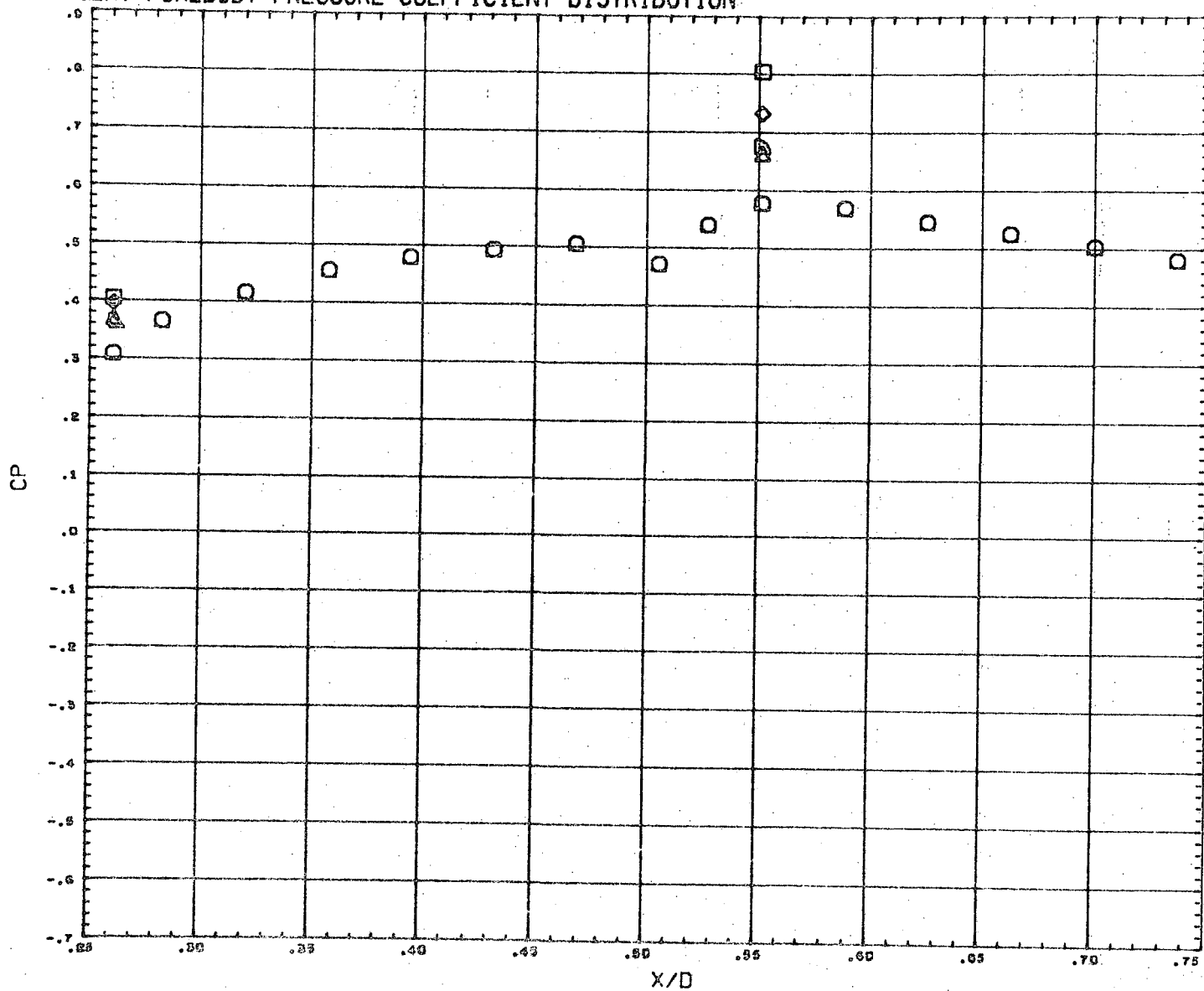
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○	100.000	406.123	1.254	SREF	572.557	58.IN.	E/DOOR	0.000	ALPHA	0.004
◇	101.000			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIAMTR				
□	160.000			YMRP	0.000	DIAMTR				
△	180.000	DATA CROSS FEED	CCO TN-AP-70-445	ZMRP	0.000	DIAMTR				

88788065.FE00E CC80 TN-AP-70-445

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
◇	0.000	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
◇	20.000			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000
◇	40.000											
◇	60.000											
◇	70.000											
◇	90.000											

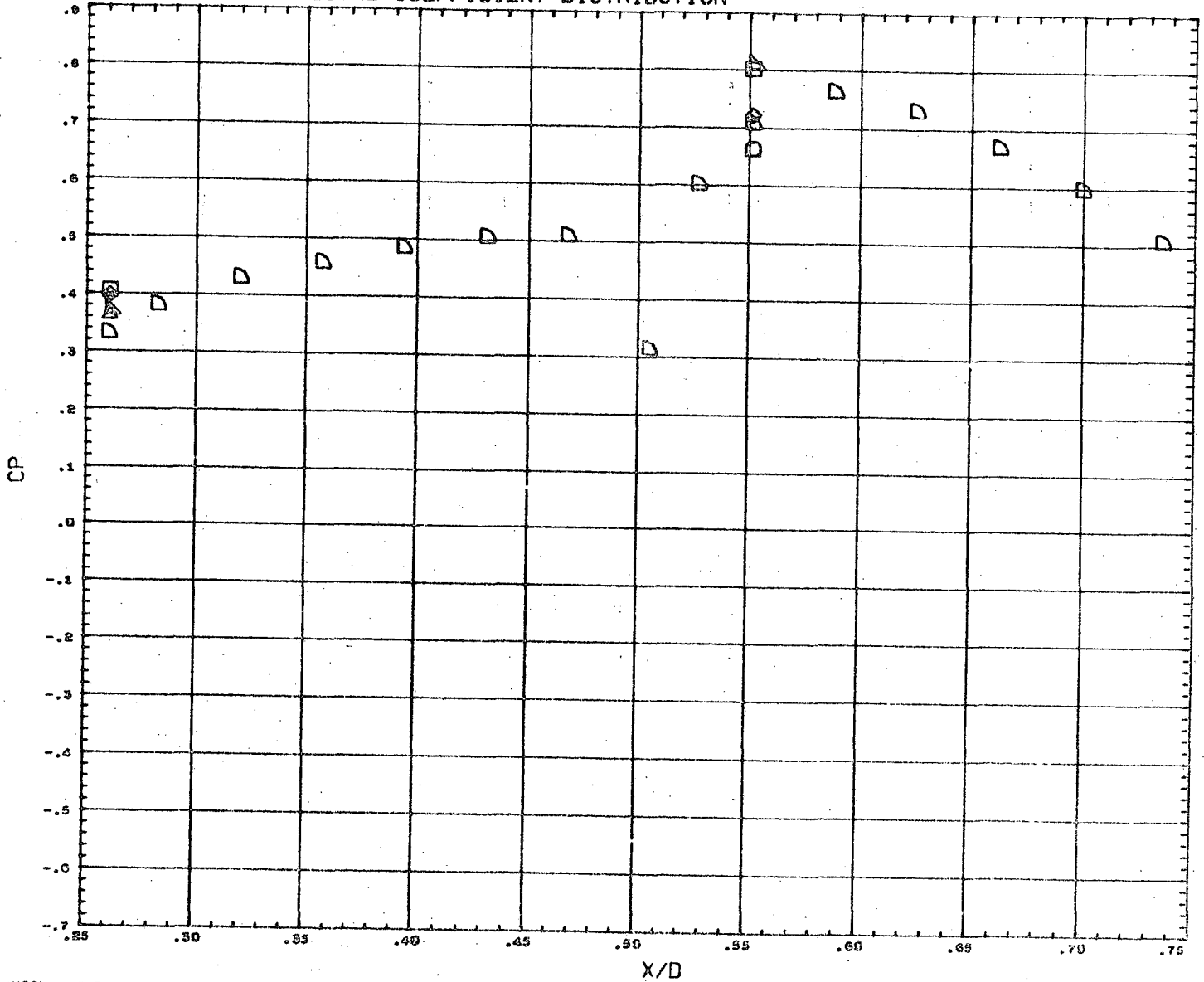
00788888.FE05E CC00 TN-AP-70-443

AFNO TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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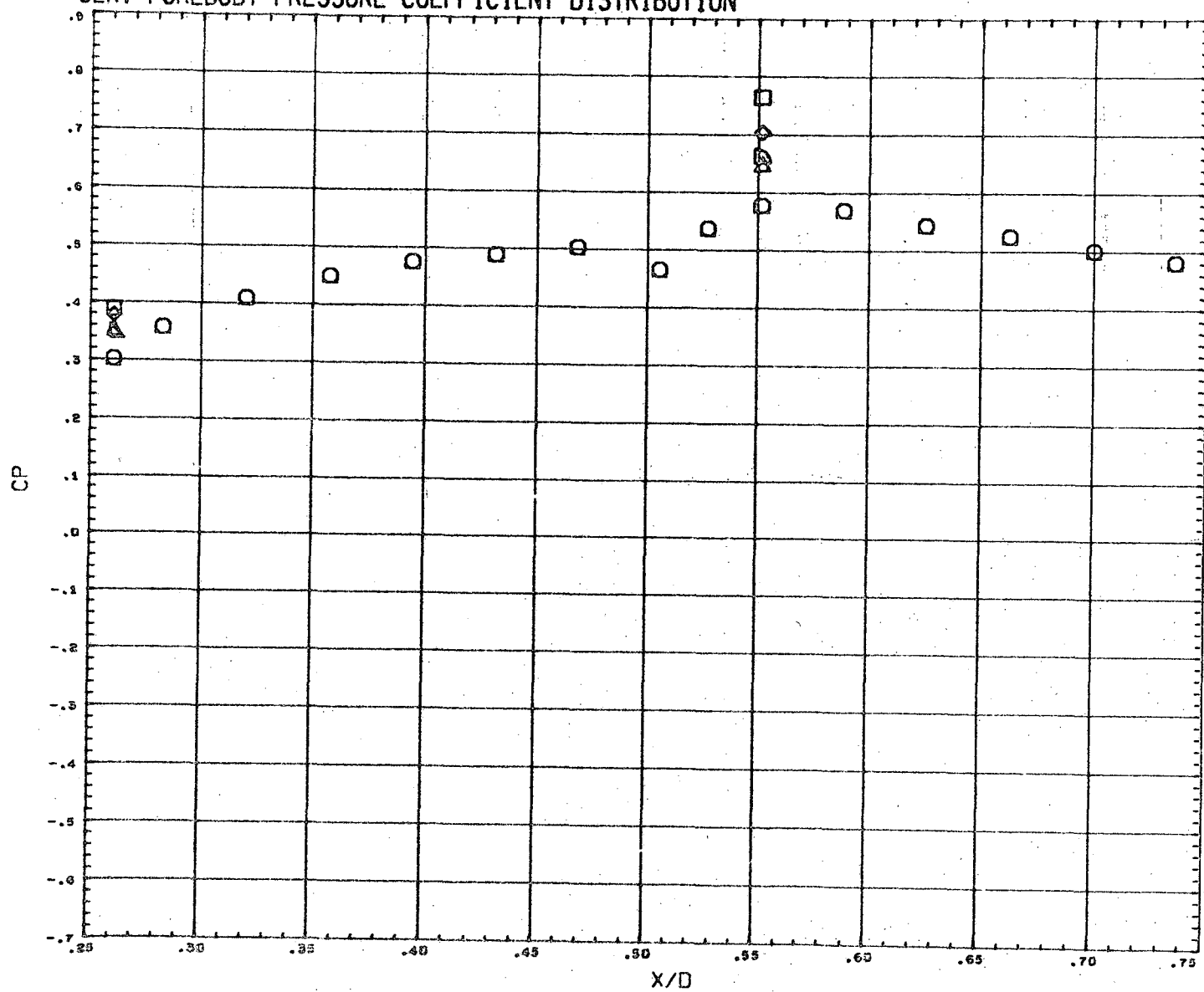
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
△	100.000	751.932	1.261	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.000
◇	101.000			LREF	27.000	INCHES	FC	404.670	WS/VPC	0.000
□	120.000			BREF	27.000	INCHES				
▢	140.000			XMRP	0.000	DIAMTR				
◻	160.000			YMRP	0.000	DIAMTR				
D	180.000			ZMRP	0.000	DIAMTR				
	180.000	0.0000000000000000	CC00 TN-AP-70-445							

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	0.000	631.960	1.248
△	20.000		
◇	40.000		
□	60.000		
▤	79.000		
▥	80.000		

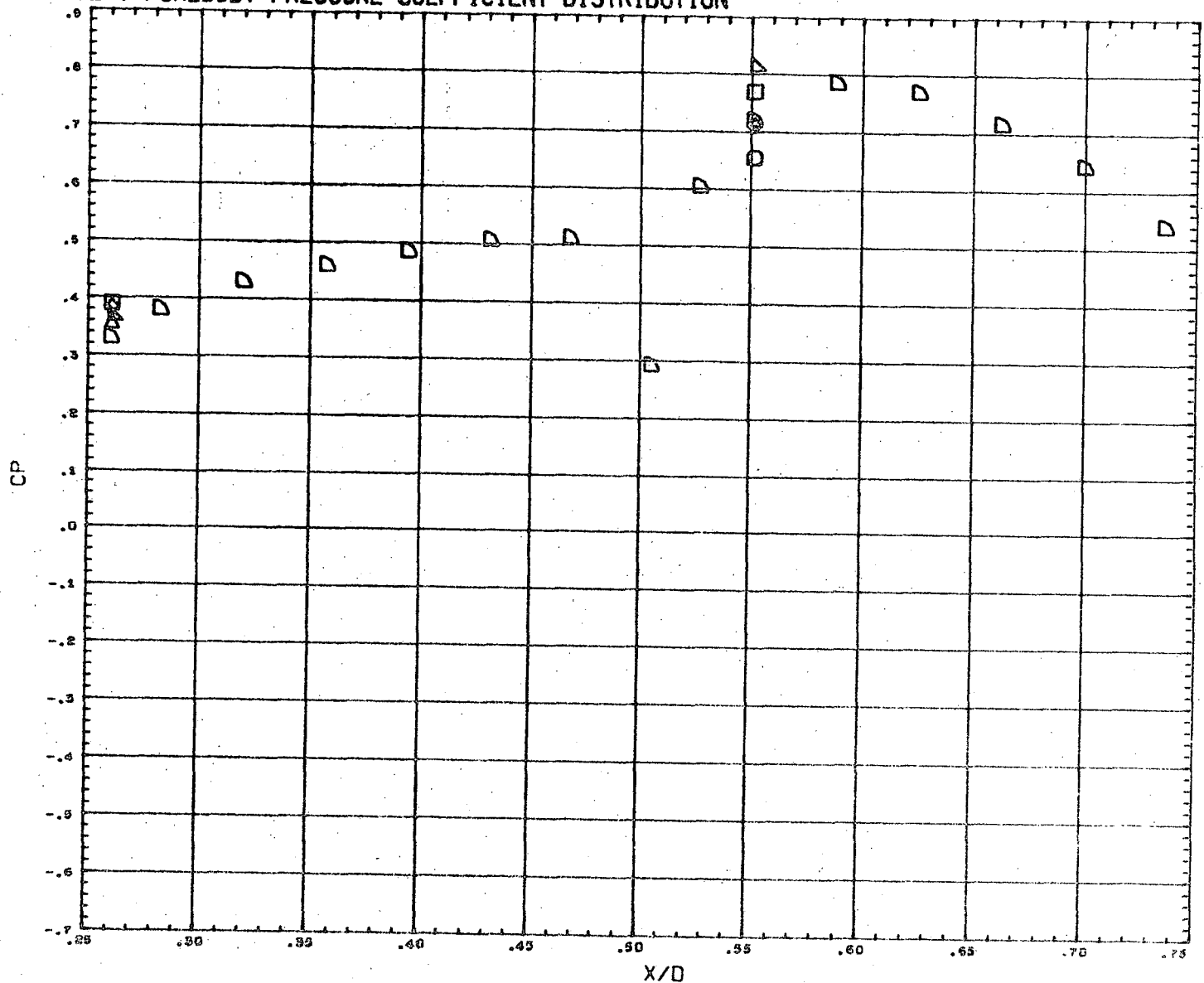
SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

BFW3R000.FE02E CC00 TN-AP-70-445

AFRC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

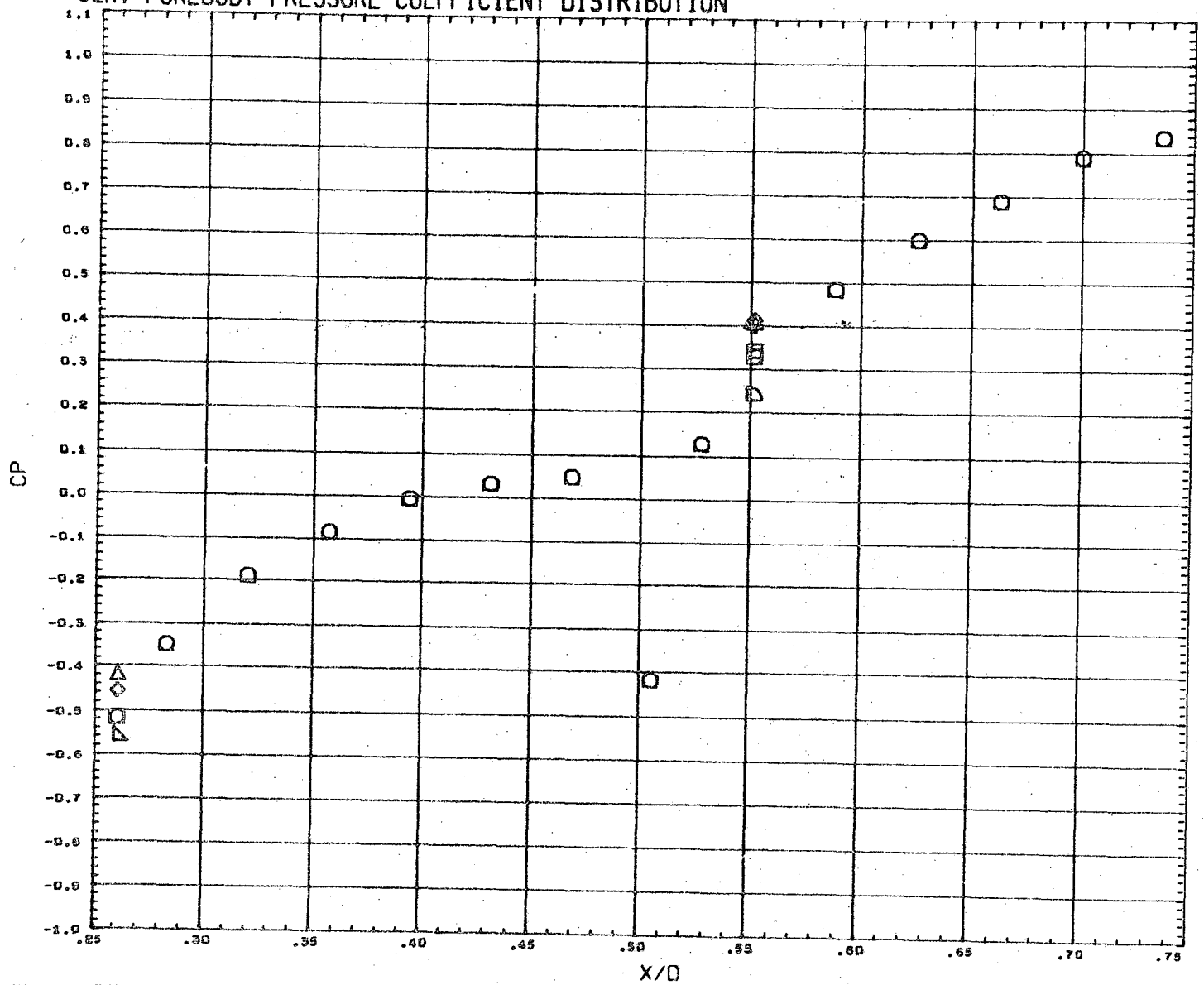


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	100.000	0.31.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.579	ALPHA 0.004
◇	101.000											VS/WPC 0.000
◇	120.000											
◇	140.000											
◇	160.000											
◇	180.000											

DBFAR5008.FE002 CCSD TH-AP-70-465

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

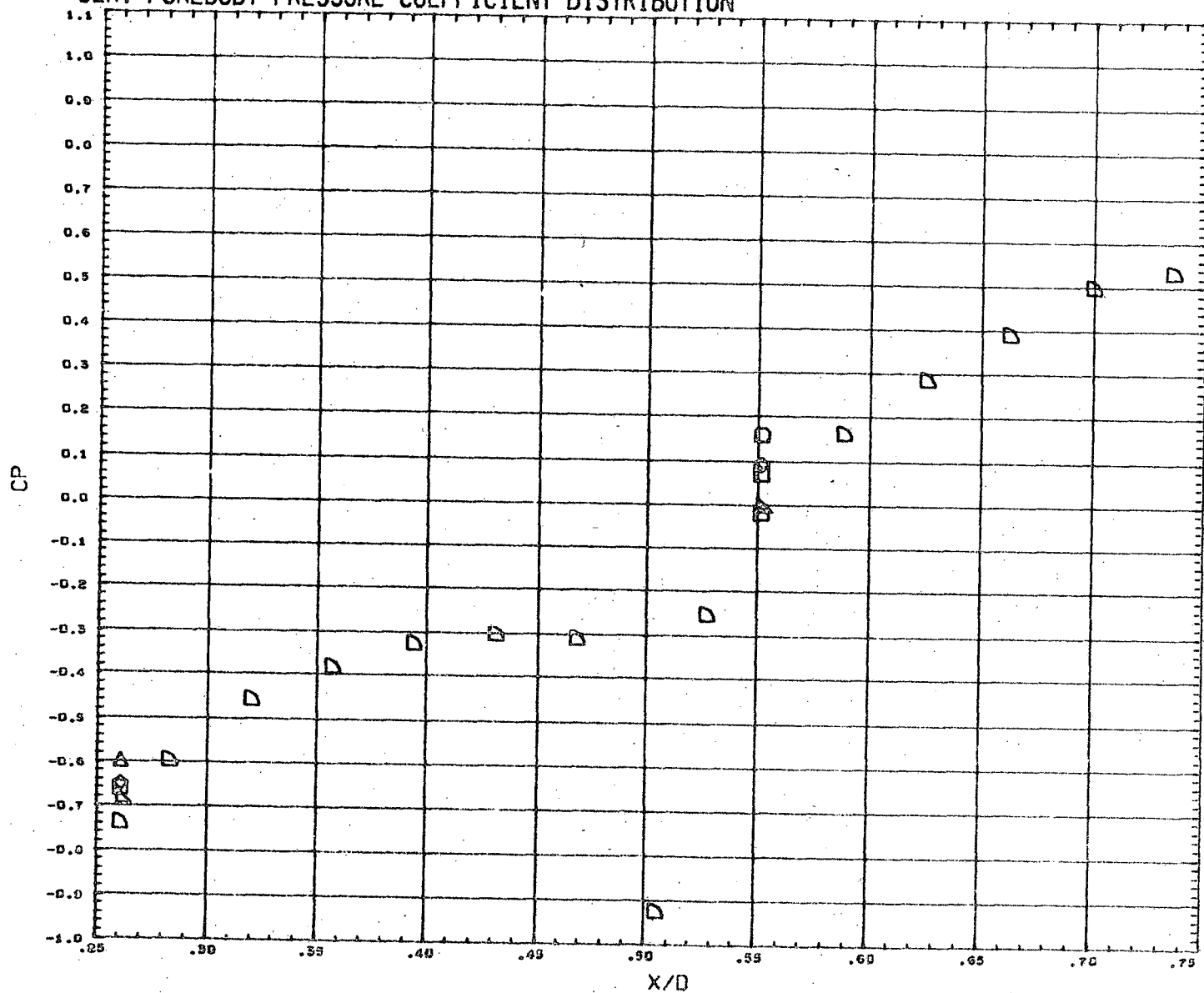
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	202.083	0.999	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	8.022
△	20.000			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	40.000			BREF	27.000	INCHES				
□	60.000			XMRP	0.000	DIAMTR				
▽	79.000			YMRP	0.000	DIAMTR				
◊	85.000			ZMRP	0.000	DIAMTR				
DISTRIBUTION.FE02E CC00 TH-AP-70-449										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



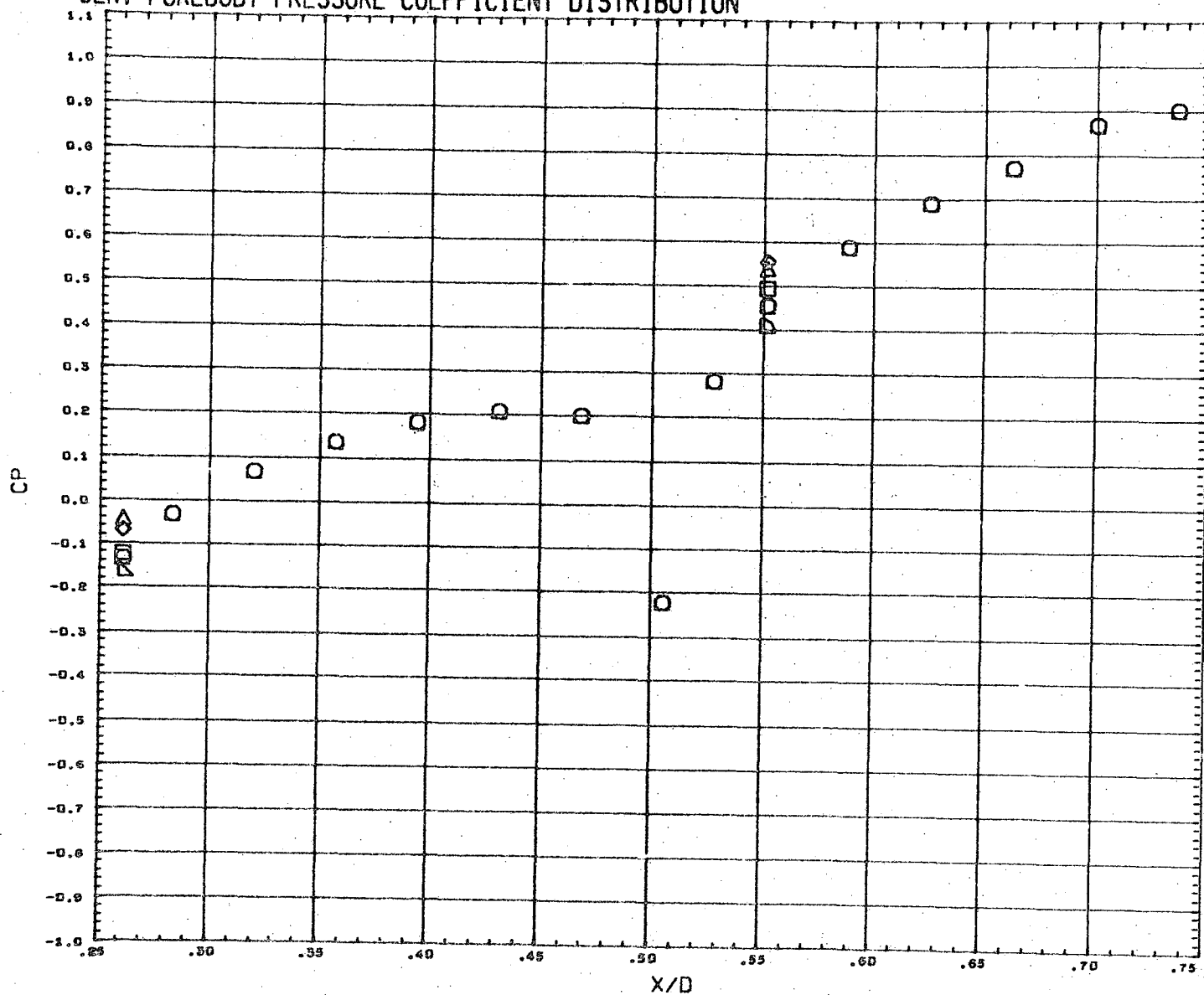
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
△	100.000	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
◇	101.000			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 402.995 WS/WPC 0.000
□	120.000									
▢	140.000									
▣	160.000									
◻	180.000									

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7148)

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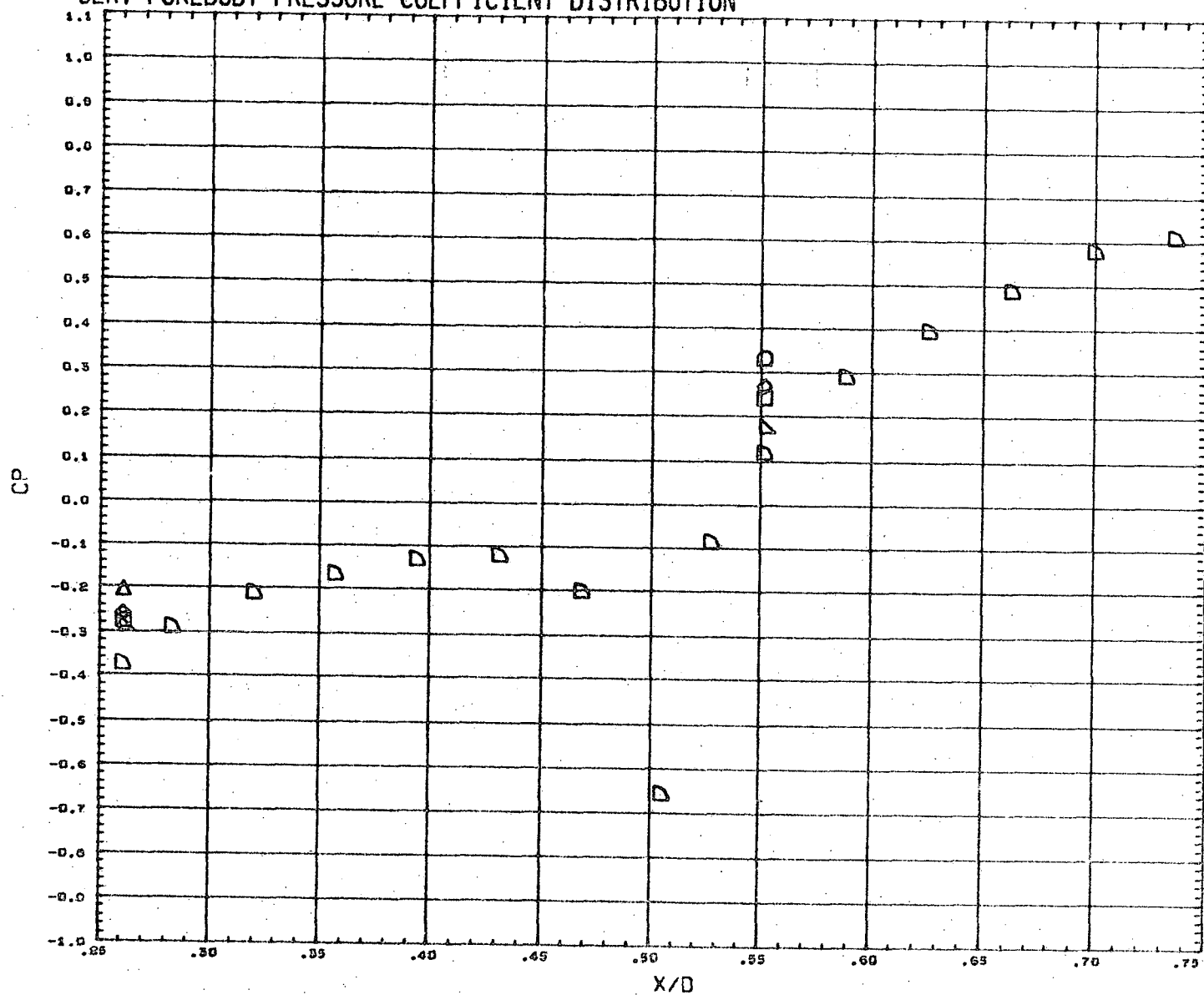
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	E/DOOR	PC	PARAMETRIC VALUES
0.000	20.000	40.000	60.000	75.000	80.000	80.000	80.000	80.000	80.000	0.000	402.996	ALPHA 8.022
												WS/WPC 0.000

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



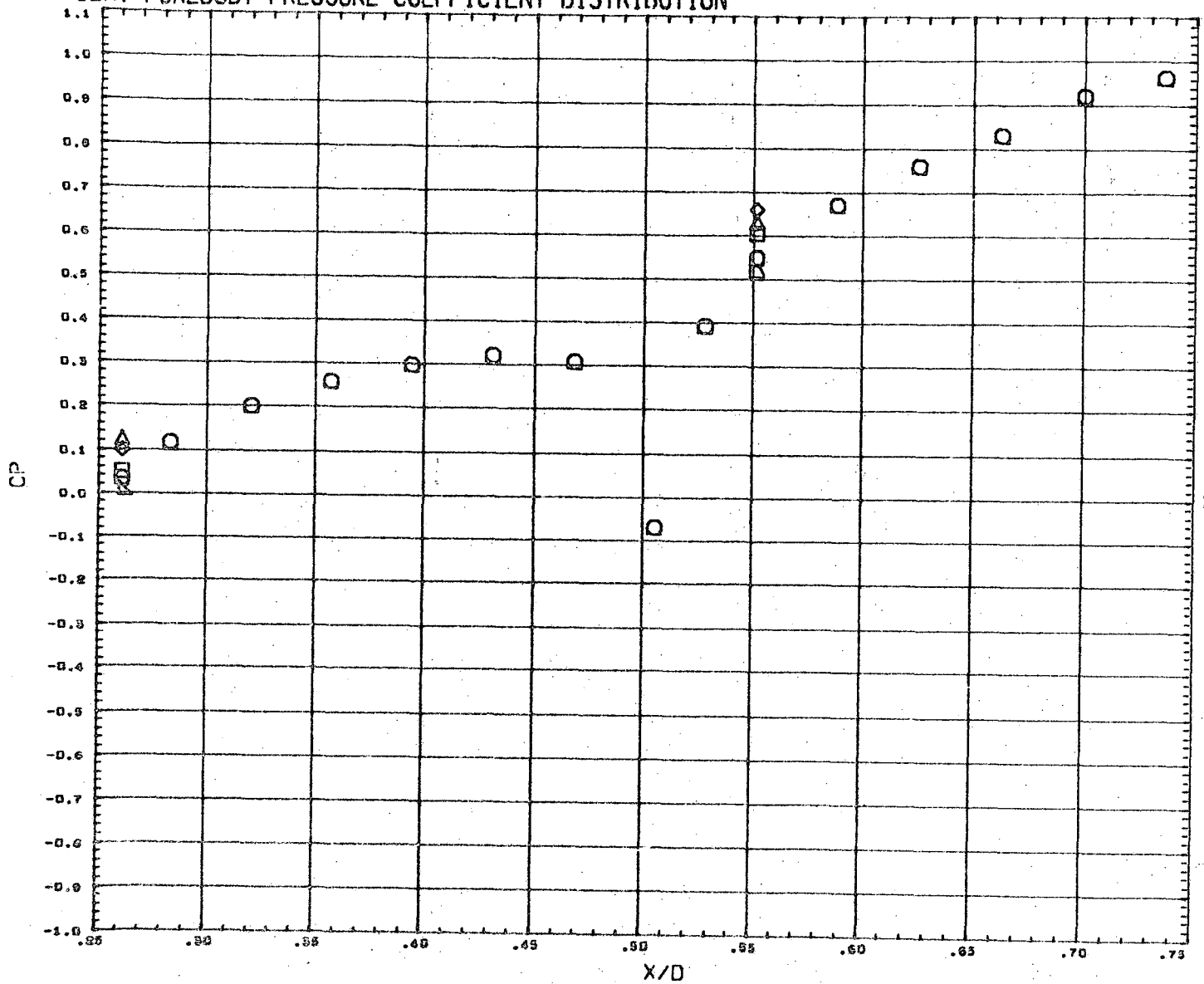
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	PARAMETRIC VALUES
△	100.000	299.500	0.001	572.557	50. IN.	E/DOOR	0.000	ALPHA	8.022	
◇	101.000			27.000	INCHES	PC	402.996	WS/WPC	0.001	
□	120.000			27.000	INCHES					
▢	140.000			0.000	DIAMTR					
◇	160.000			0.000	DIAMTR					
▢	180.000			0.000	DIAMTR					

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

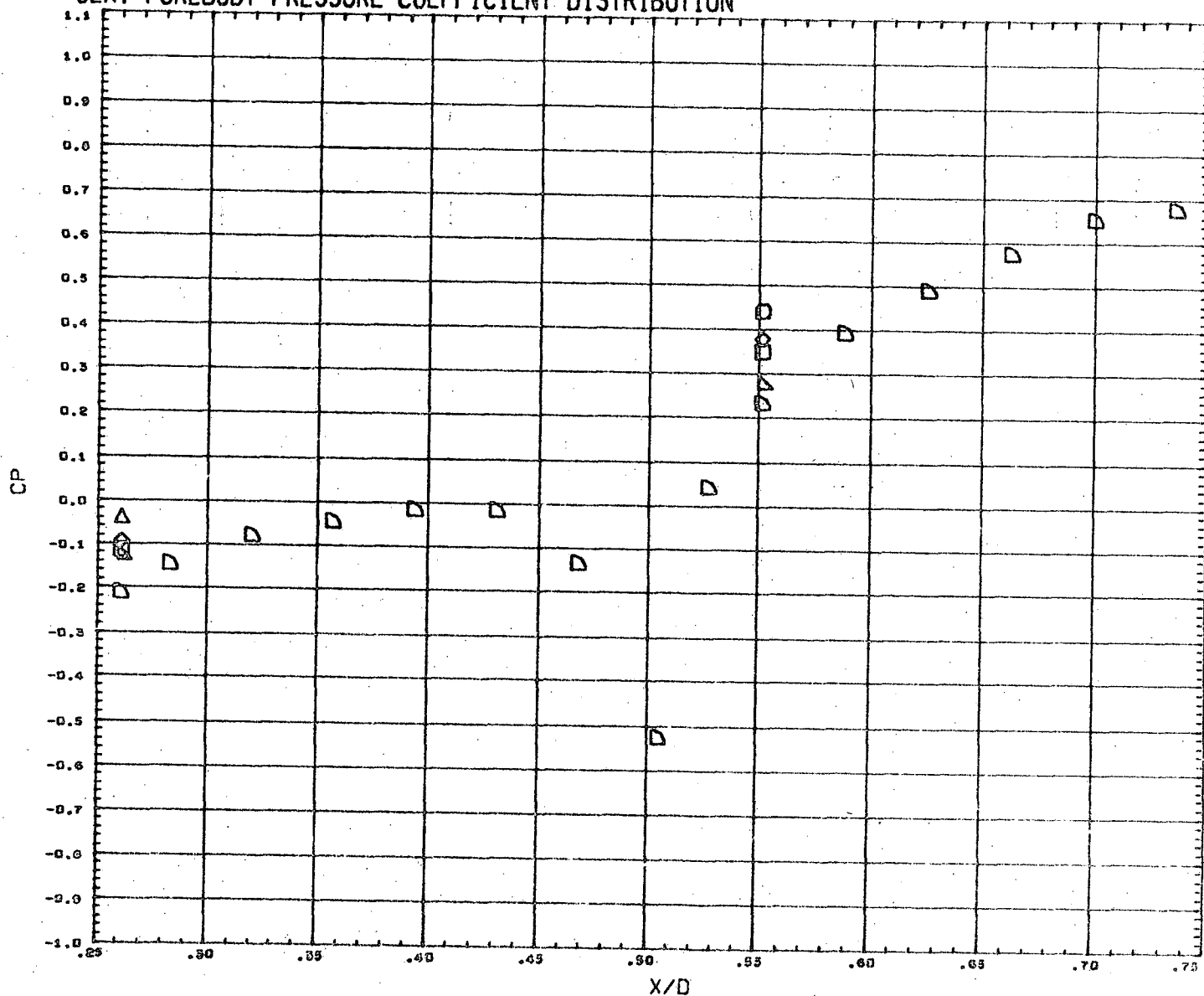


SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
△	0.000	393.487	0.999	LREF	27.000	INCHES	PC	0.000	ALPHA 8.022
□	20.000			BREF	27.000	INCHES		402.996	WS/WPC 0.000
◇	40.000			XMRP	0.000	DIAMTR			
○	60.000			YMRP	0.000	DIAMTR			
☆	70.000			ZMRP	0.000	DIAMTR			
☆	80.000								

BAVIRB362.F002E CCSD TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

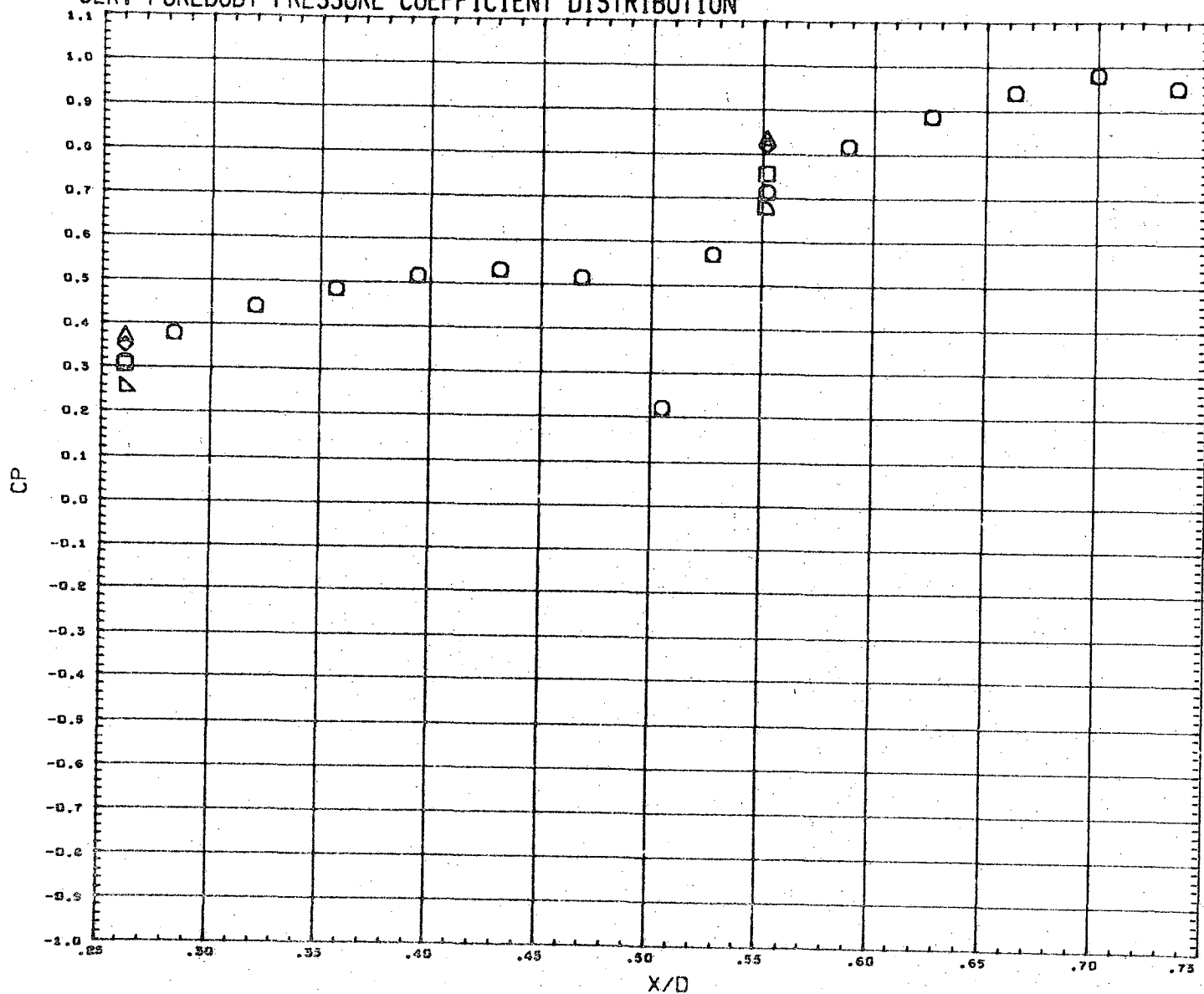
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	100.000	398.487	0.899	SREF	572.557	58.2N.	E/DOOR	0.000	ALPHA	8.022
△	101.000			LREF	27.000	INCHES	FC	402.996	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
◻	140.000			XMRP	0.000	DIAMTR				
◼	160.000			YMRP	0.000	DIAMTR				
◽	180.000			ZMRP	0.000	DIAMTR				
0010000000.F0000 CC00 YN-AP-70-448										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

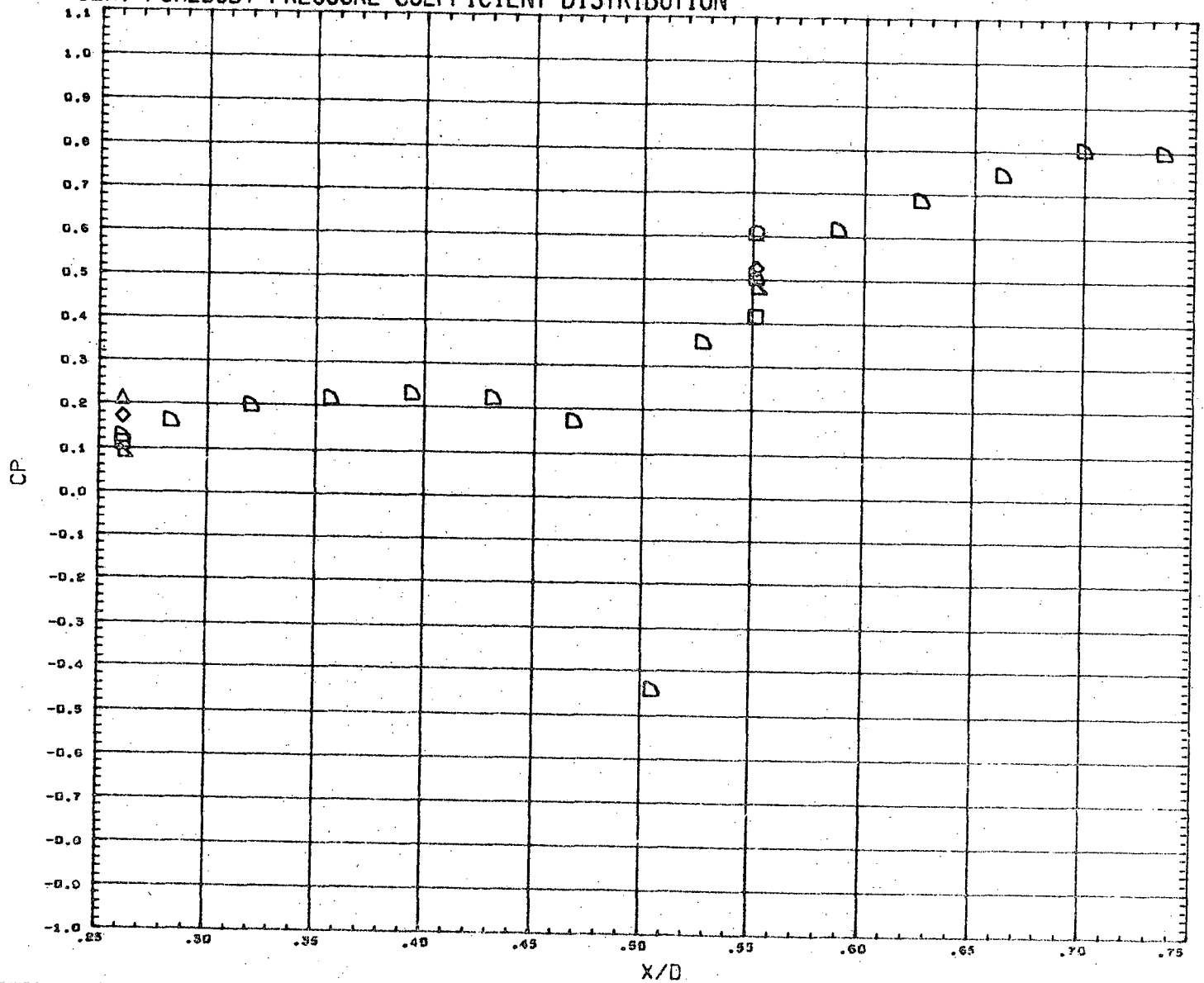
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.000	402.107	1.100	LREF	27.000	INCHES	PC	0.000	ALPHA
△	20.000			BREF	27.000	INCHES		402.996	WS/WPC
◇	40.000			XMRP	0.000	DIAMTR			0.000
□	60.000			YMRP	0.000	DIAMTR			
▽	79.000			ZMRP	0.000	DIAMTR			
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ADDC T250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

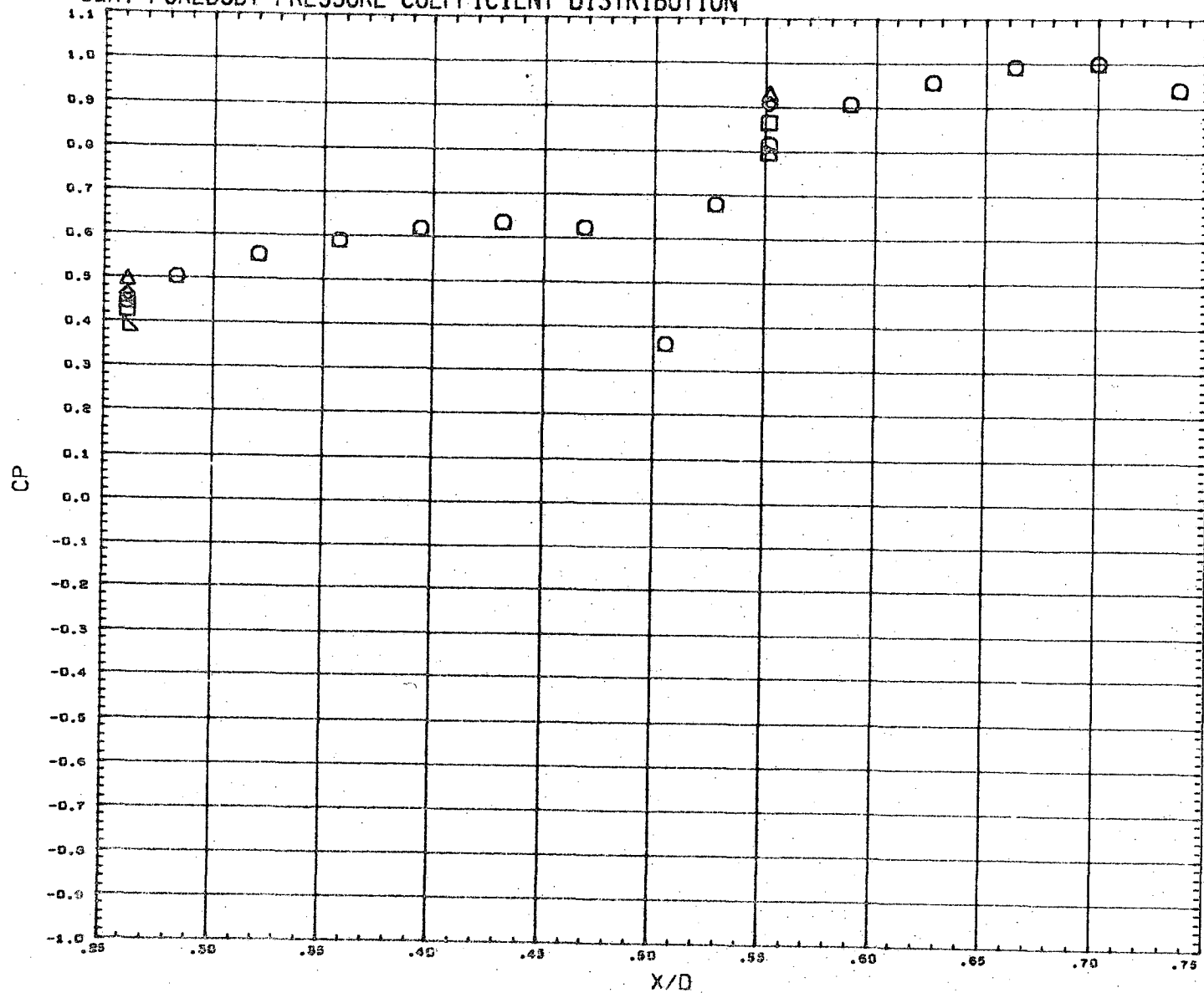
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.022	0.000
○	100.000	402.457	1.100	572.557	27.000	27.000	0.000	0.000	0.000	59. IN.	27. INCHES	27. INCHES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	101.000																					
◇	120.000																					
□	140.000																					
▽	160.000																					
◇	180.000																					

860UR0054.F002E CC80 TN-AP-70-448
AEDC TE250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

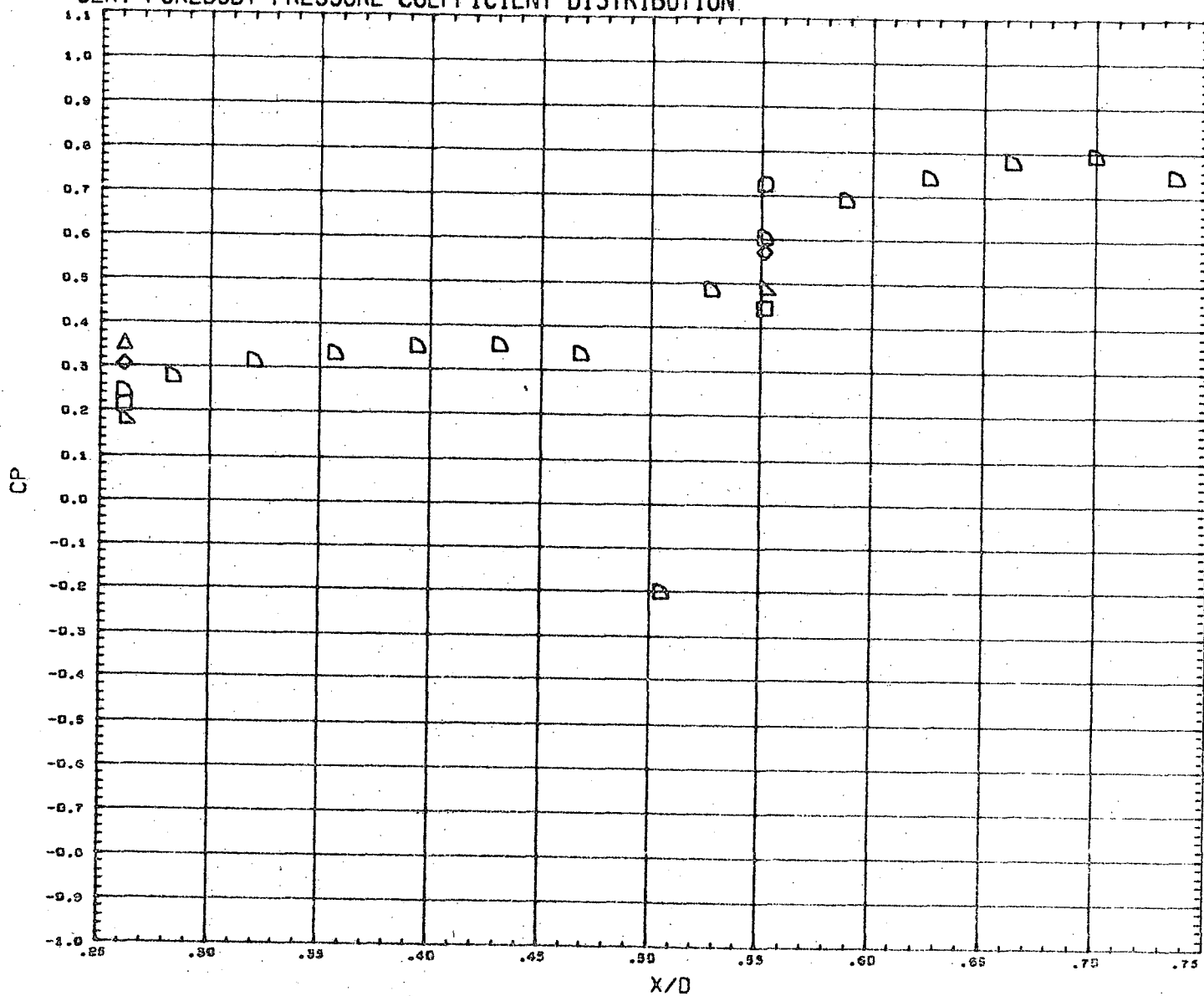
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
□	0.000	400.737	1.253	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	8.022
◇	20.000			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	40.000			BREF	27.000	INCHES				
◇	60.000			XMRP	0.000	DIAMTR				
◇	70.000			YMRP	0.000	DIAMTR				
◇	80.000			ZMRP	0.000	DIAMTR				

4000 12250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

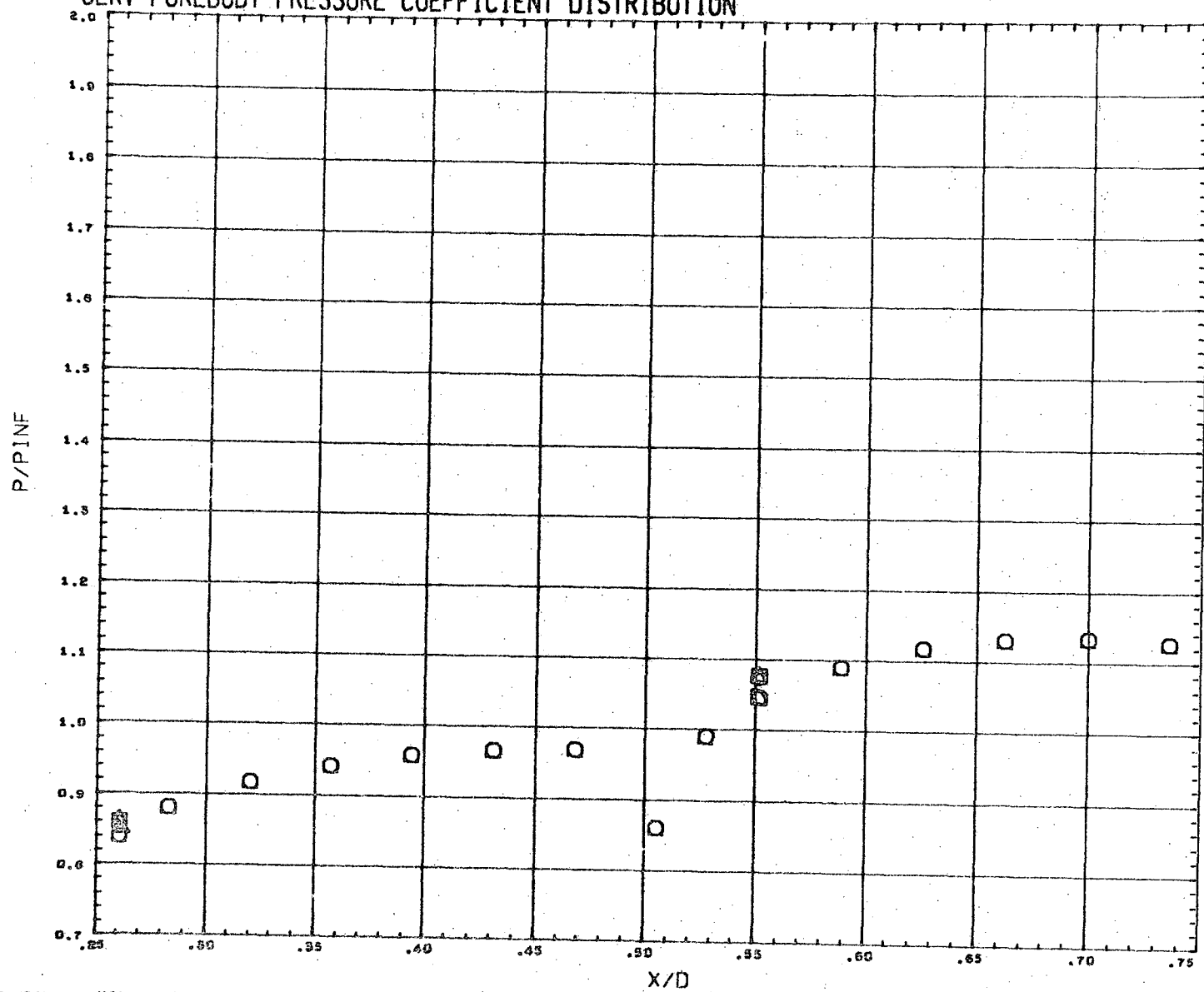
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
△	100.000	400.737	1.253	SREF	572.557	58.1N.	E/DOOR
◇	101.000			LREF	27.000	INCHES	0.000
□	120.000			BREF	27.000	INCHES	ALPHA
▤	140.000			XMRP	0.000	DIAMTR	0.022
▥	160.000			YMRP	0.000	DIAMTR	WS/WPC
▧	180.000			ZMRP	0.000	DIAMTR	0.000
	100.000	0.000000.FORE	CCSD TN-AP-70-045				

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



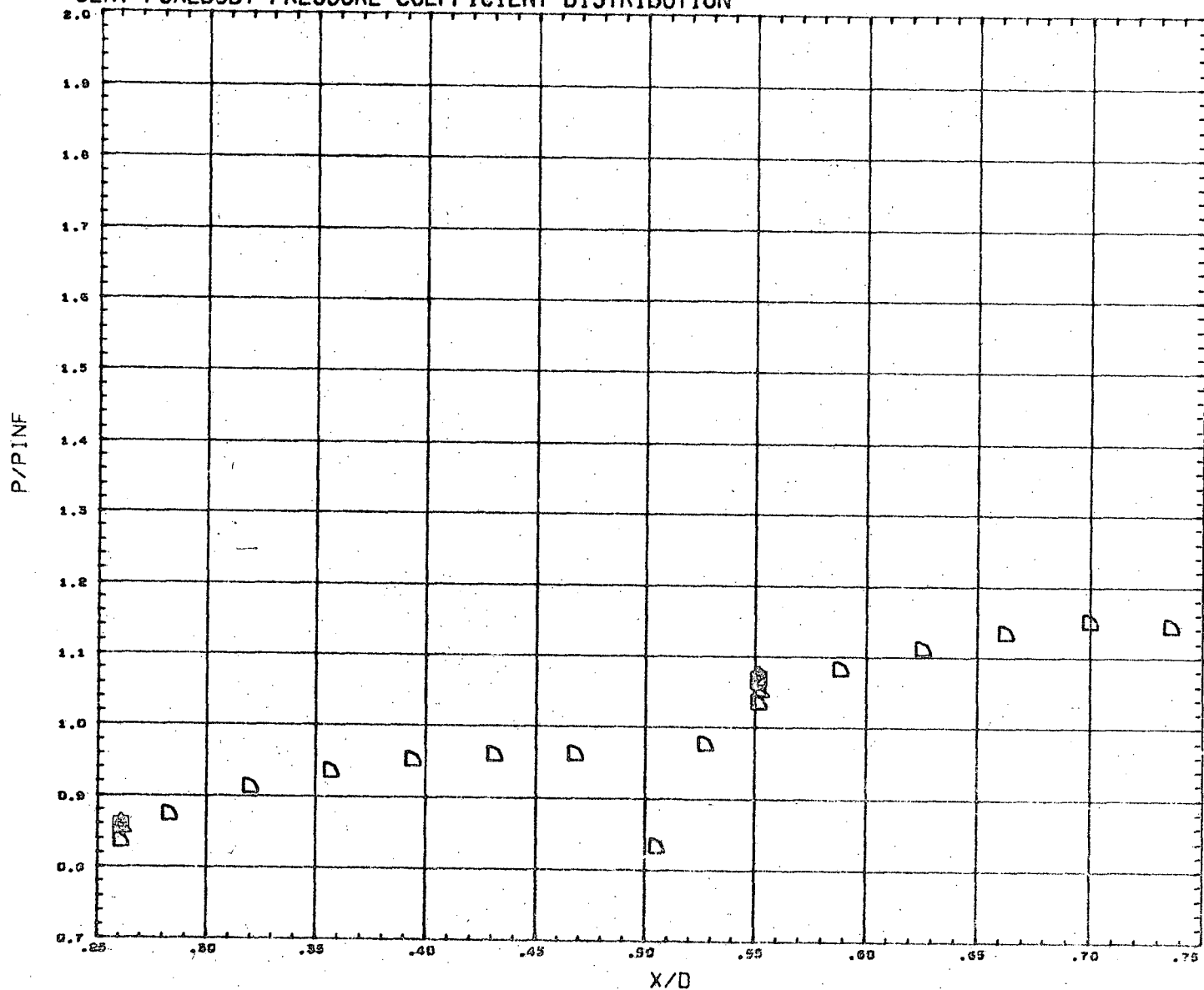
SYMBOL	ANGLE	PRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES		
□	0.000	301.700	0.600	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
△	20.000			BREF	27.000	INCHES		404.679	WS/WFC	0.000
◇	40.000			XMRP	0.000	DIAMTR				
◻	60.000			YMRP	0.000	DIAMTR				
◼	79.000			ZMRP	0.000	DIAMTR				
◻	80.000	28180000.0000								

ACDD TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



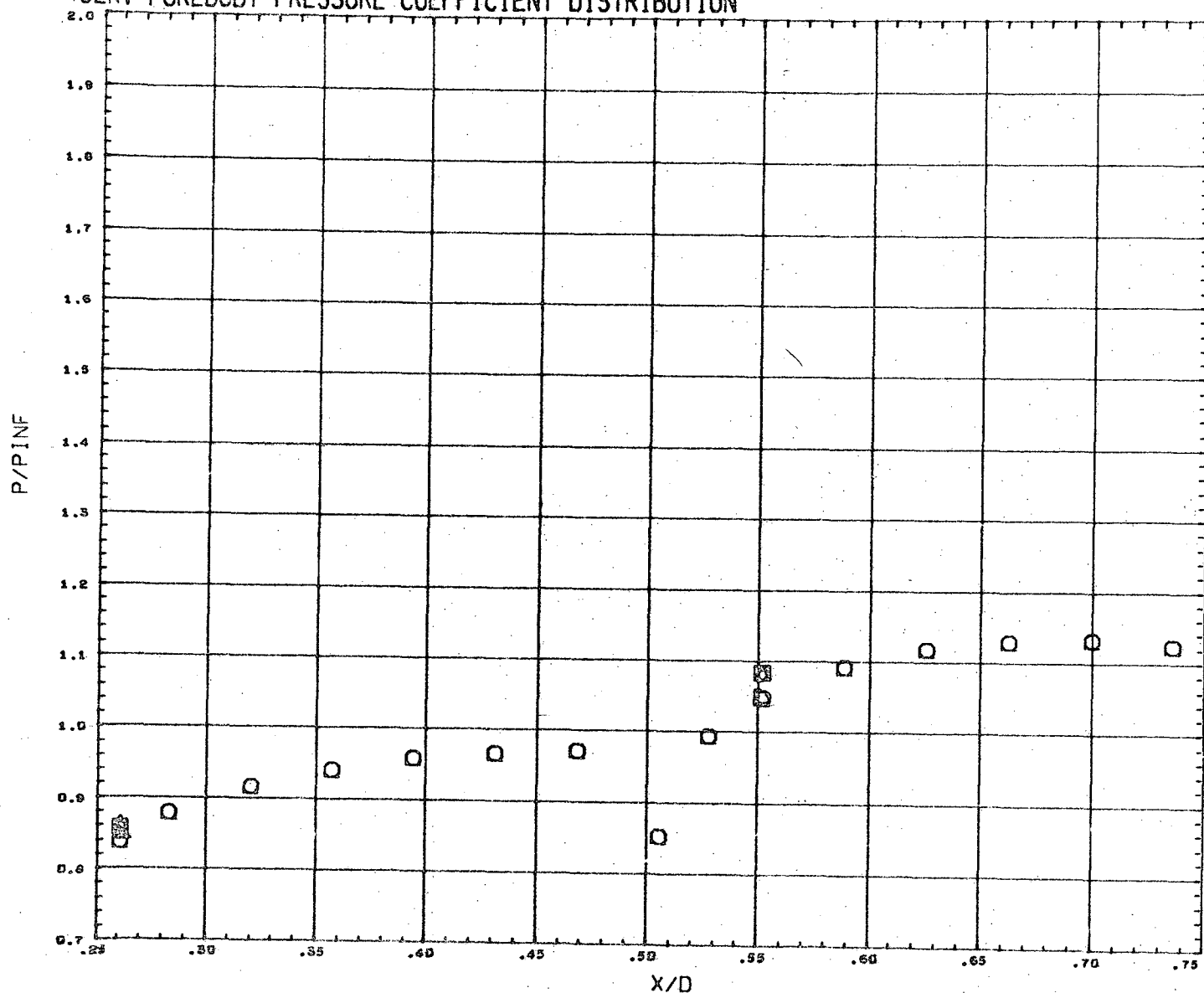
SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
○	100.000	201.700	0.600	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
△	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
◻	140.000			XMRP	0.000	DIAMTR				
◼	160.000			YMRP	0.000	DIAMTR				
◽	180.000			ZMRP	0.000	DIAMTR				
DIFFERENTIAL PRESSURE COEFFICIENT DISTRIBUTION										
CCSD TN-AP-70-445										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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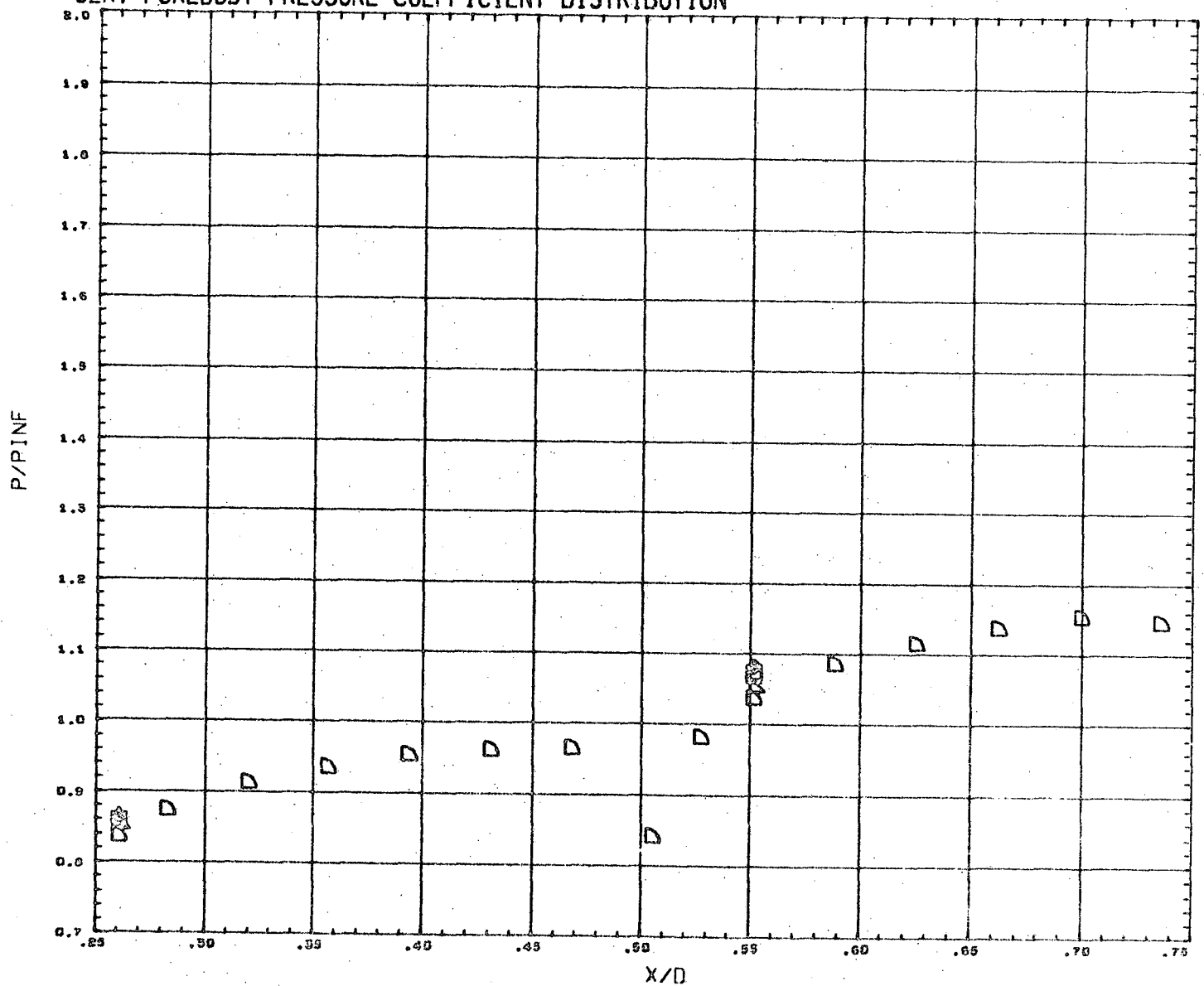
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.000	491.290	0.598	LREF	27.000	INCHES	FC	0.000	ALPHA	0.004
△	20.000			BREF	27.000	INCHES		404.679	WS/WFC	0.000
◇	40.000			XMRP	0.000	DIAMTR				
□	60.000			YMRP	0.000	DIAMTR				
▤	70.000			ZMRP	0.000	DIAMTR				
▥	80.000	007888068.FC08E	CCSD TN-AP-70-445							

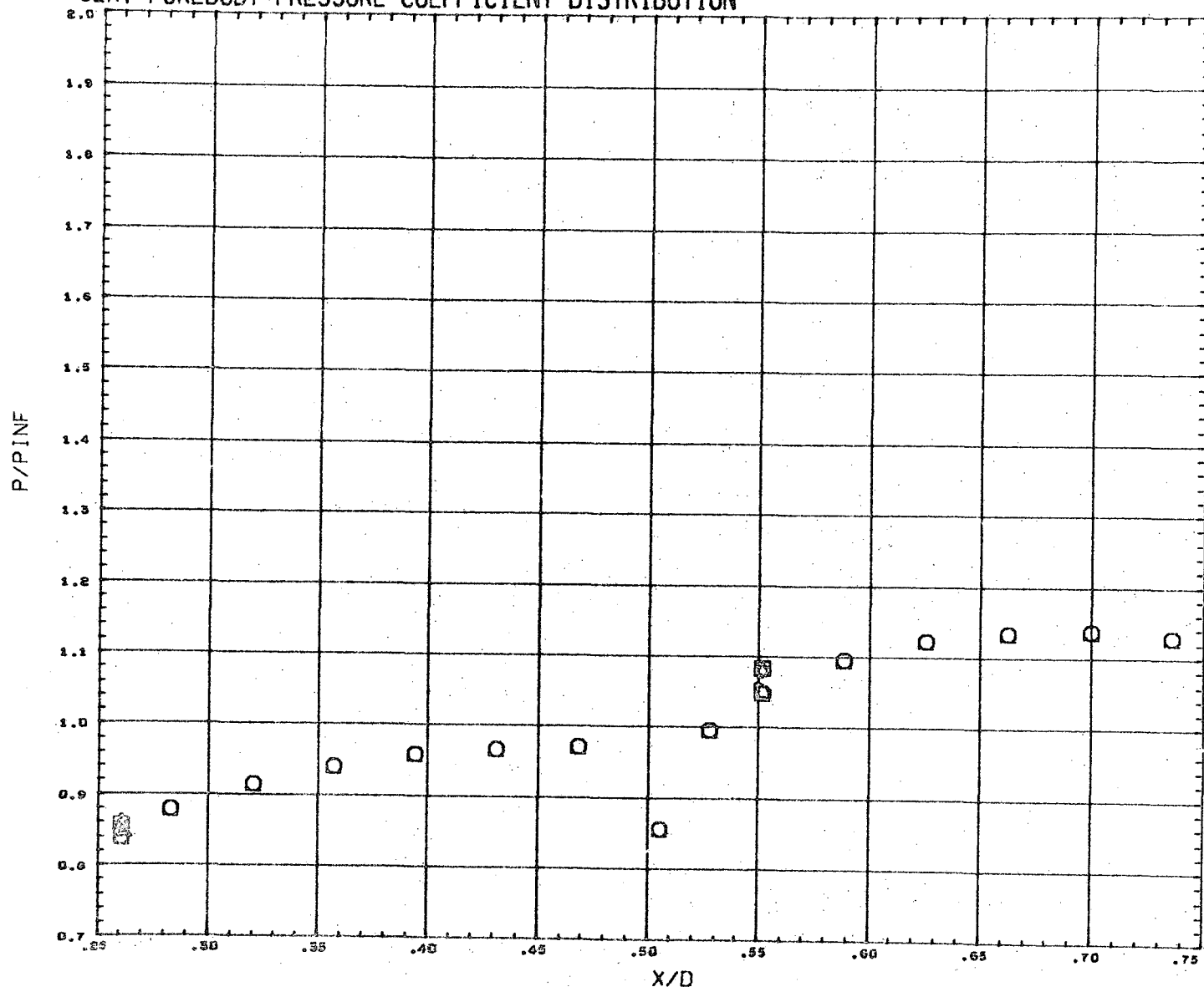
AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
○	100.000	401.290	0.598	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
△	101.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIAMTR				
▤	160.000			YMRP	0.000	DIAMTR				
▥	180.000			ZMRP	0.000	DIAMTR				
DATA SOURCE: FSCOE CCSD TN-AP-70-448										

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

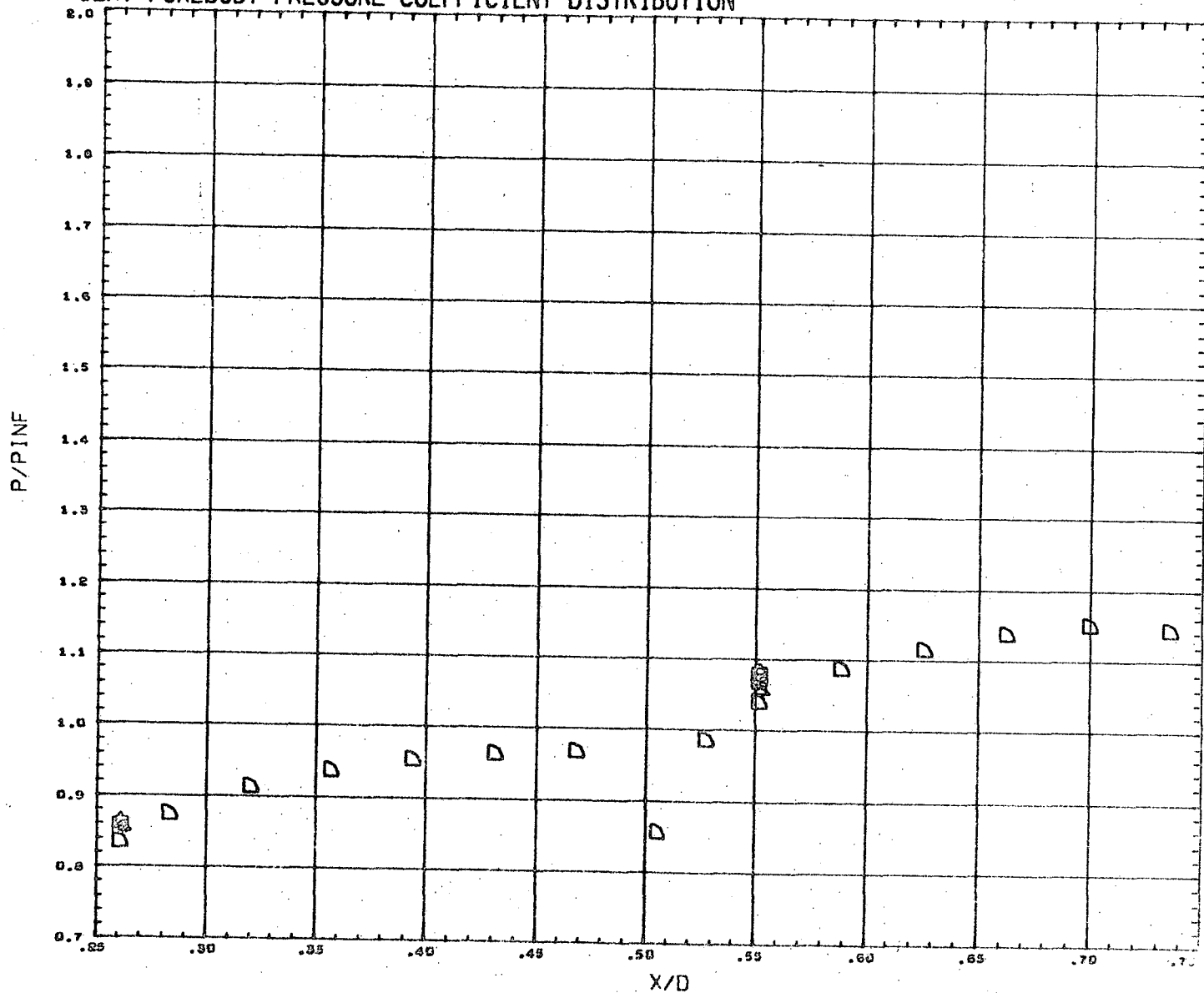


SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.000	578.883	0.598	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
◇	20.000			BREF	27.000	INCHES		404.679	WS/WPC	0.000
△	40.000			XMRP	0.000	DIANTR				
□	60.000			YMRP	0.000	DIANTR				
▽	70.000			ZMRP	0.000	DIANTR				
◇	80.000									

DATA SOURCE: FIGURE CCSD TH-AP-78-443

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	100.000	570.883	0.598
△	101.000		
◇	120.000		
□	140.000		
▤	160.000		
▥	180.000		

SREF	572.557	SG.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	404.679	WS/WPC

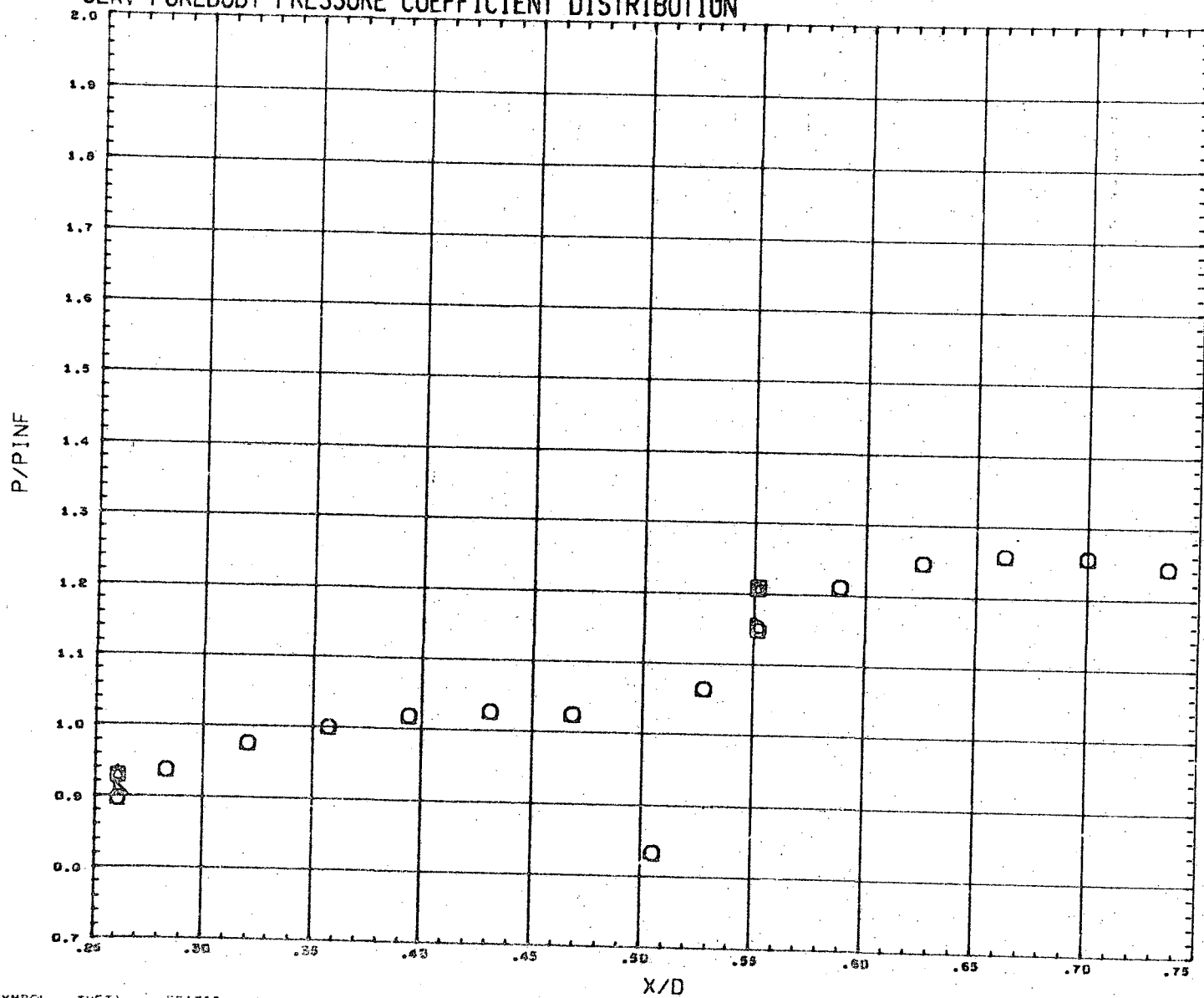
DATA FROM 57.000 CCSD YH-AP-70-445

AFSC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

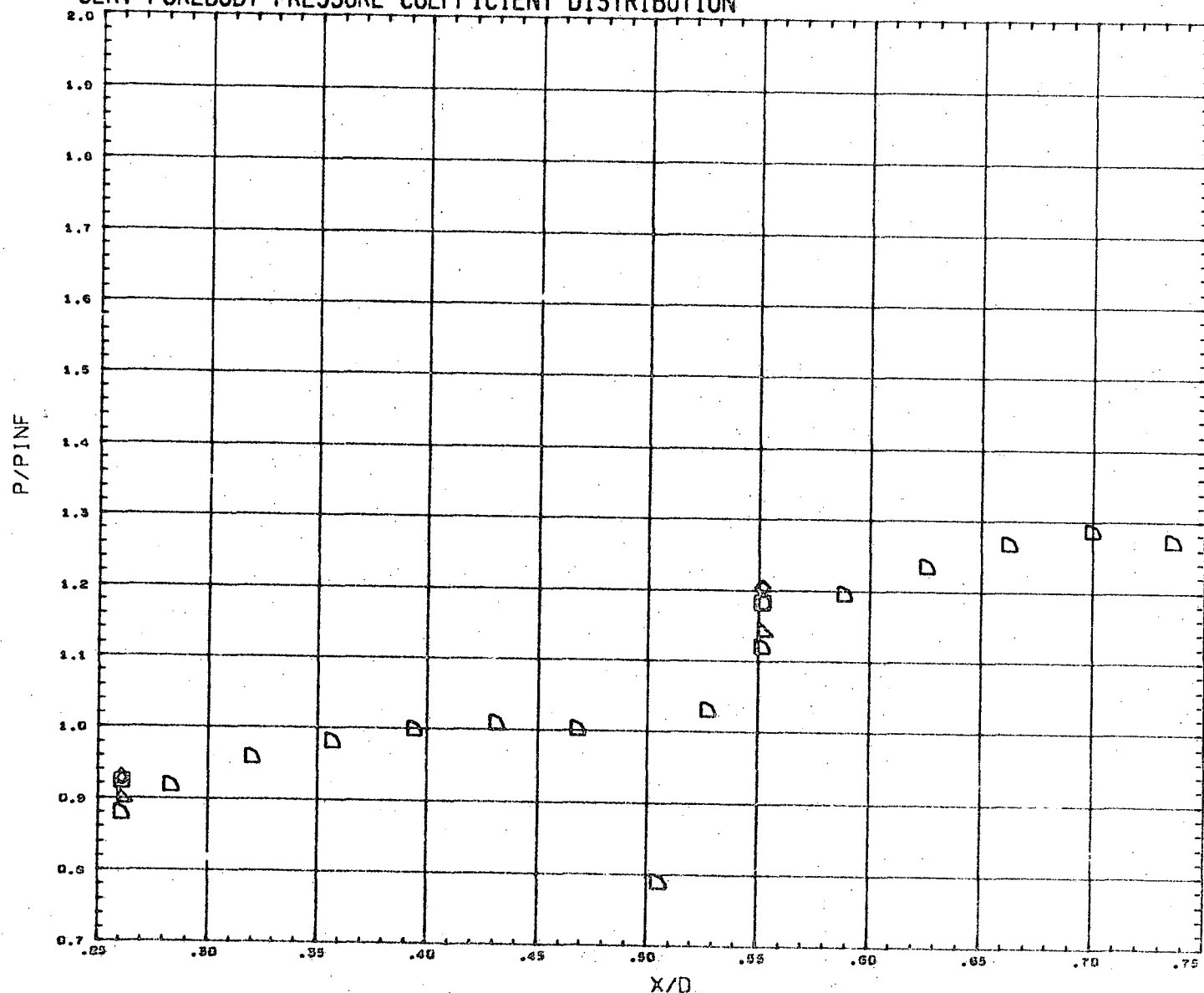


SYMBOL	INETA	PRATIO	MACH	SREF	572.557	SQ. IN.	PARANETRIC VALUES
○	0.000	302.353	0.801	LREF	27.000	INCHES	E/DOOR 0.000 ALPHA 0.004
△	20.000			BREF	27.000	INCHES	PC 404.679 WS/WPC 0.000
◇	40.000			XMRP	0.000	DIAMTR	
□	60.000			YMRP	0.000	DIAMTR	
▤	70.000			ZMRP	0.000	DIAMTR	
▥	80.000						

DATA 000000.F0000 CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



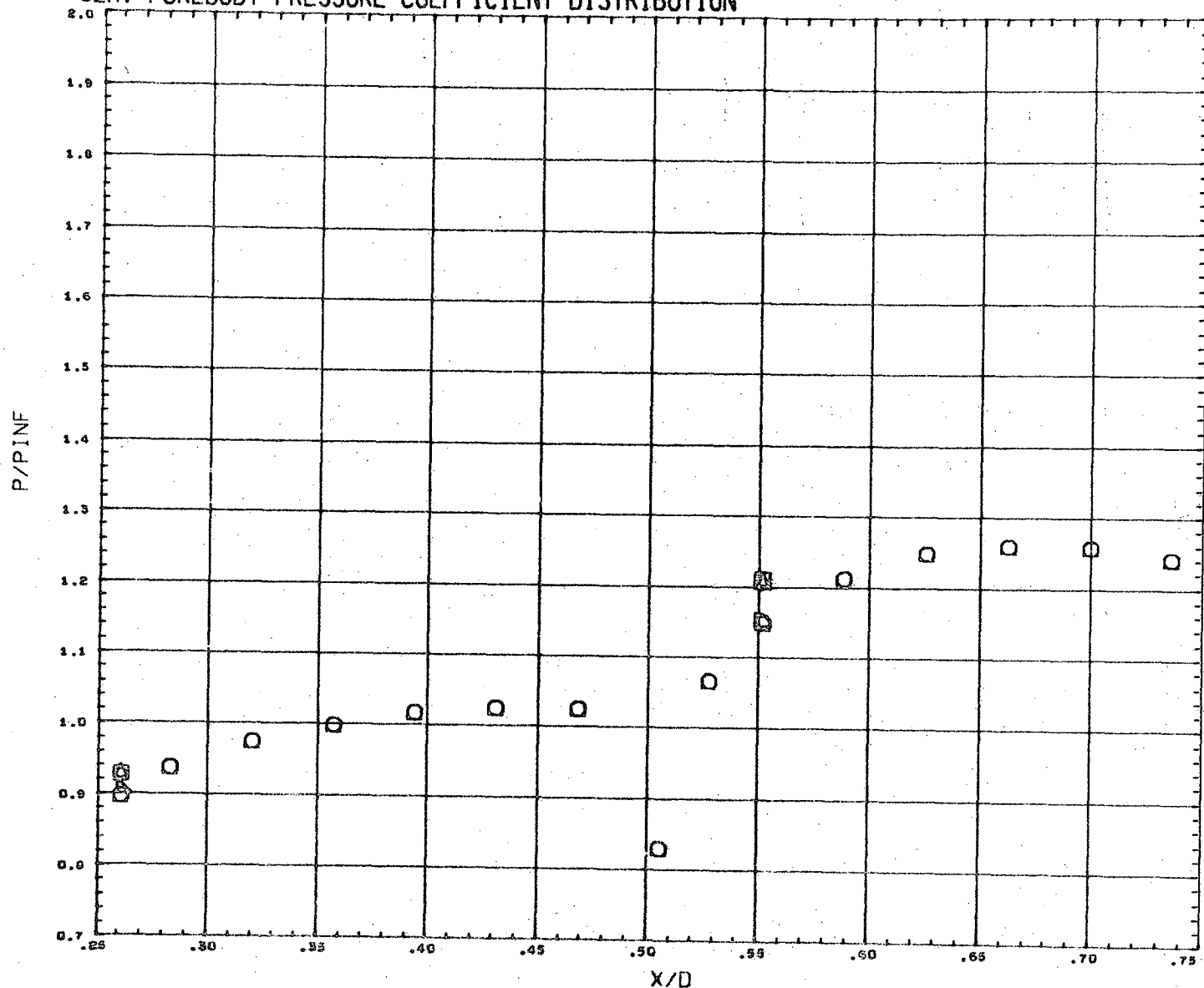
SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	100.000	302.353	0.801	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	0.000
△	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIANTR				
▤	160.000			YMRP	0.000	DIANTR				
◻	180.000			ZMRP	0.000	DIANTR				
058030005.FEC0E CCSD TN-A2-70-445										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

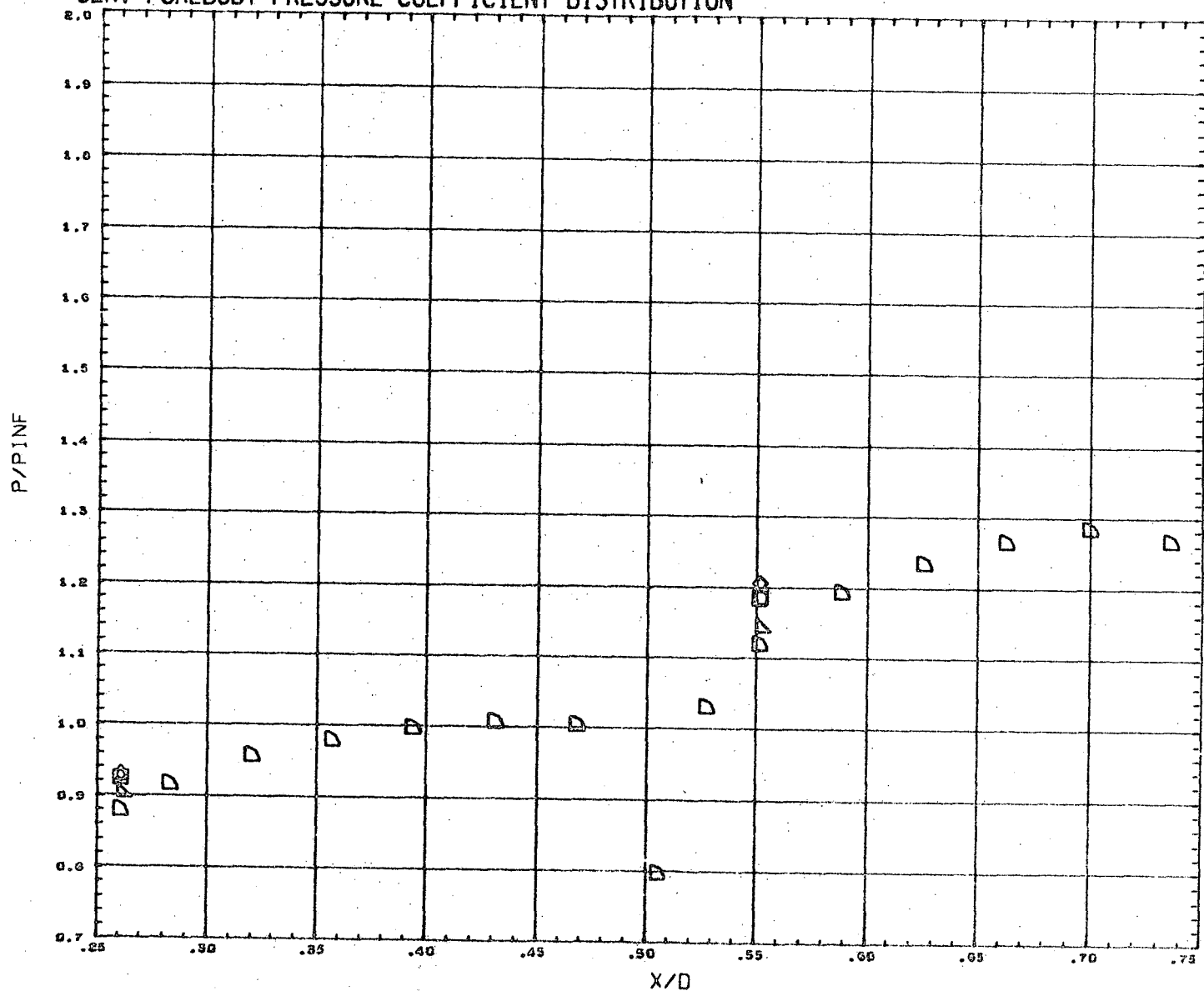


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.000	400.037	0.799	572.557	27.000	27.000	0.000	0.000	0.000	50.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
△	20.000																					
◇	40.000																					
□	60.000																					
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DATA FROM F602E

CCSD TR-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



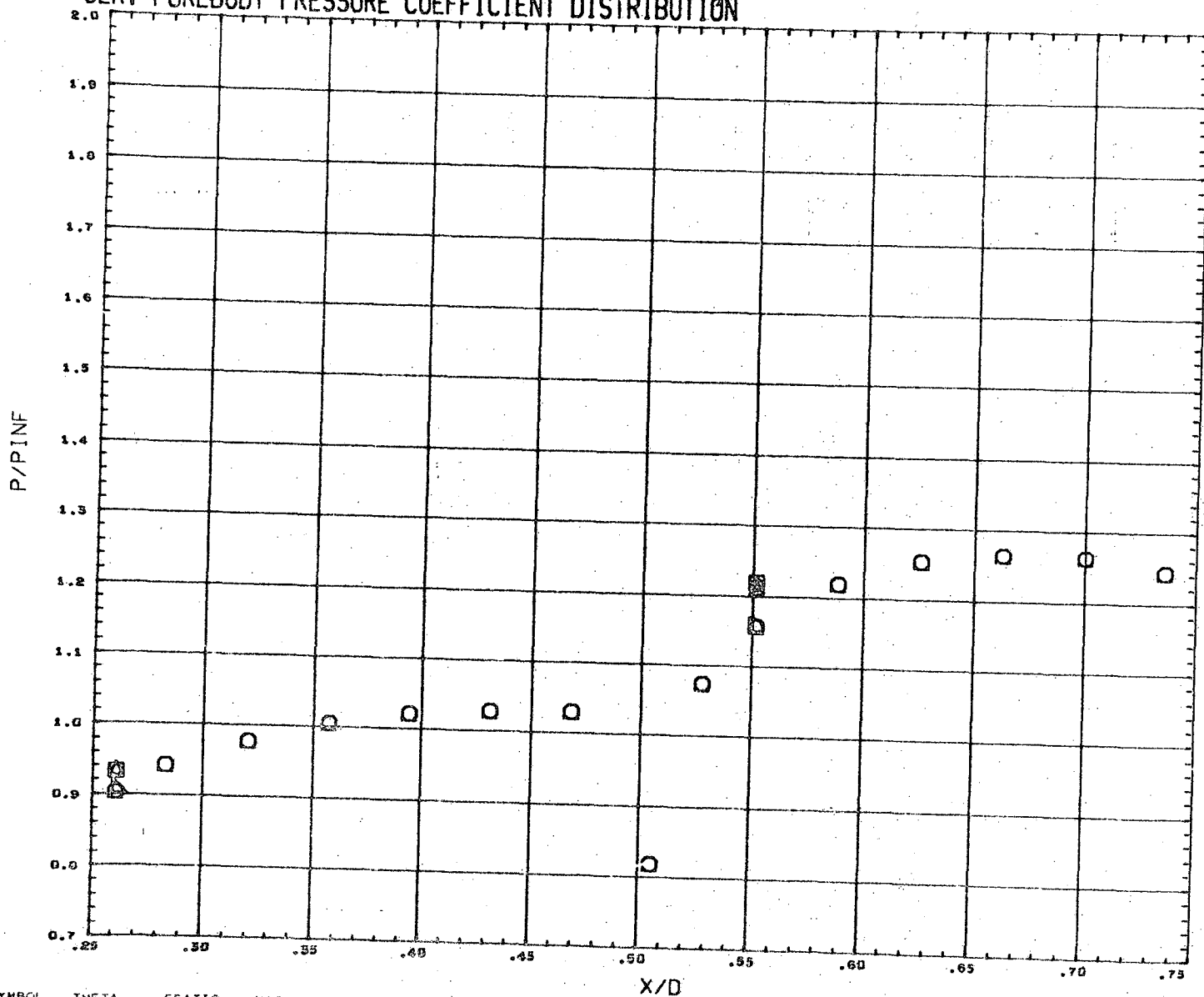
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○	100.000	400.067	0.798	SREF	572.557	SQ. IN.	E/DOOR
△	101.000			LREF	27.000	INCHES	0.000
◇	120.000			BREF	27.000	INCHES	ALPHA
□	140.000			XMRF	0.000	DIAMTR	404.679
▽	160.000			YMRF	0.000	DIAMTR	WS/WPC
◊	180.000			ZMRF	0.000	DIAMTR	0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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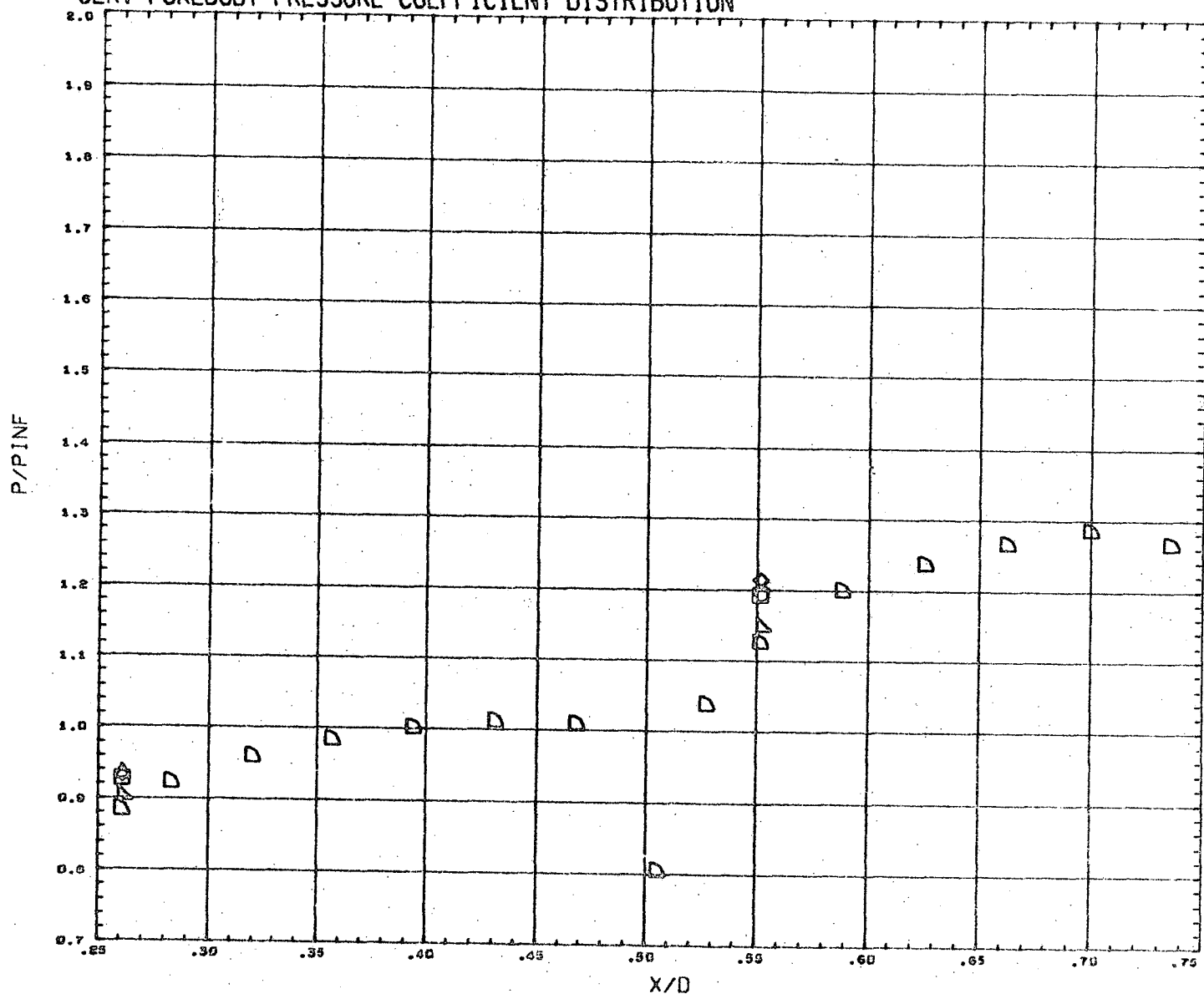
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.000	459.307	0.799	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
◇	20.000			BREF	27.000	INCHES		404.679	WS/WPC	0.000
◻	40.000			XNRF	0.000	DIAMTR				
◼	60.000			YNRF	0.000	DIAMTR				
◽	79.000			ZNRF	0.000	DIAMTR				
◾	00.000	00000000.0000	CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



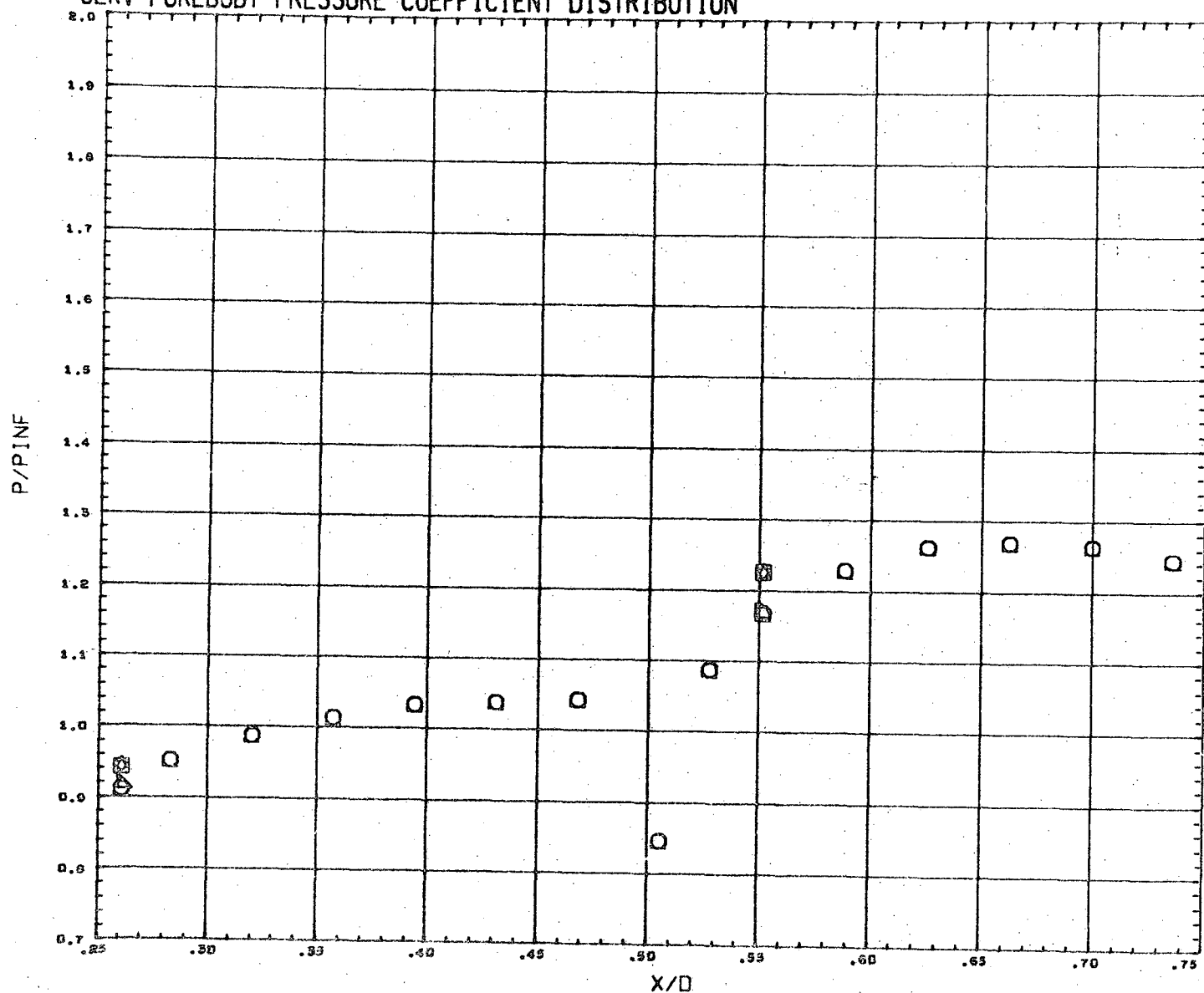
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	100.000	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA 0.004
△	101.000			58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	WS/WFC 0.000
◇	120.000											
□	140.000											
▤	160.000											
▥	180.000											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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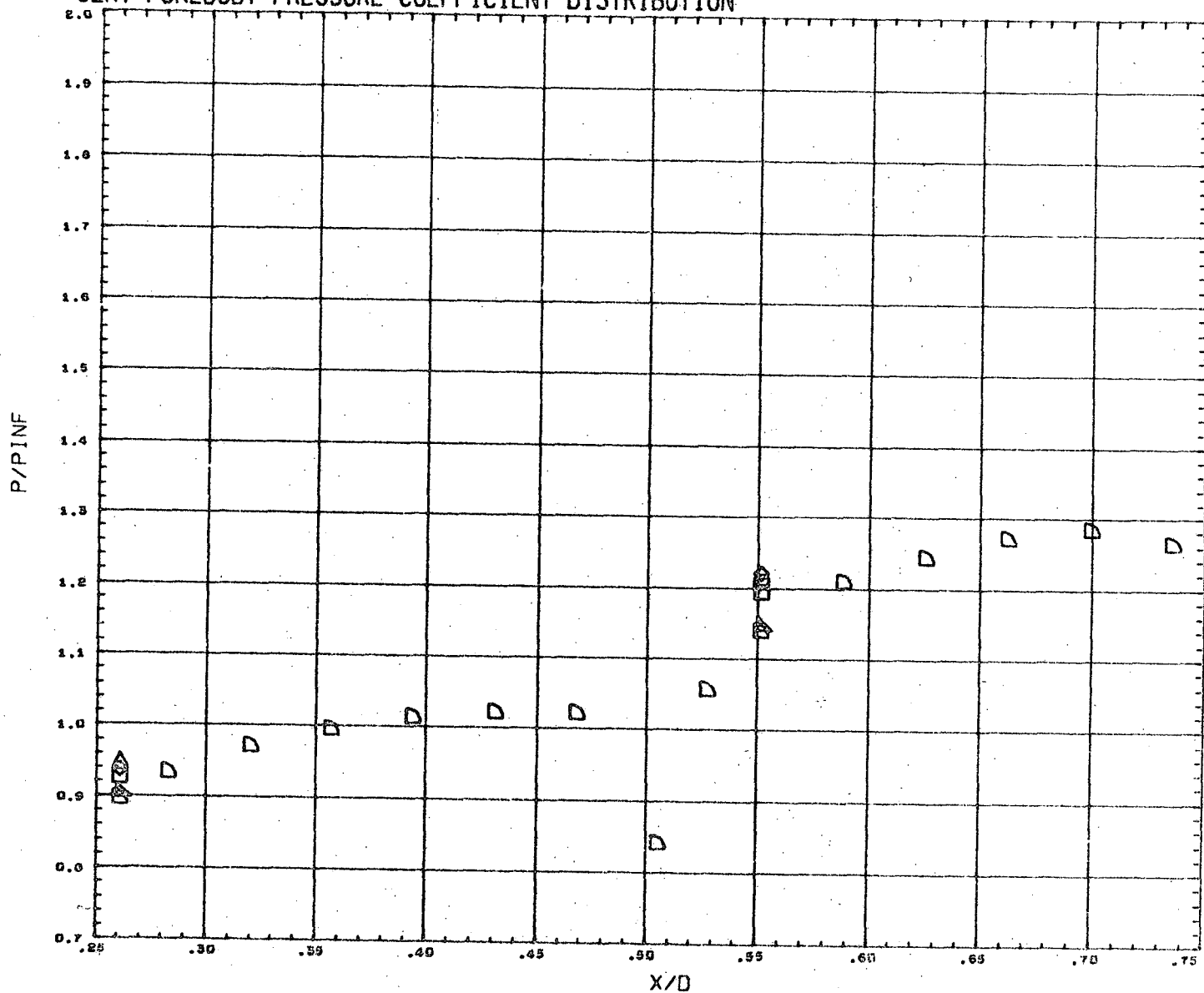
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	TNETH	FRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.000	688.602	0.903	LREF	27.000	INCHES	0.000	ALPHA	0.004
◇	20.000			BREF	27.000	INCHES	PC	404.679	WS/WPC
△	40.000			XHRF	0.000	DIAHTR			
□	60.000			YHRF	0.000	DIAHTR			
▤	79.000			ZHRF	0.000	DIAHTR			
▥	80.000	0.0000000000000000	CCSD TH-AP-70-448						

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	100.000	608.692	0.803
△	101.000		
◇	120.000		
□	140.000		
▽	160.000		
◇	180.000		

SREF	572.557	59. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

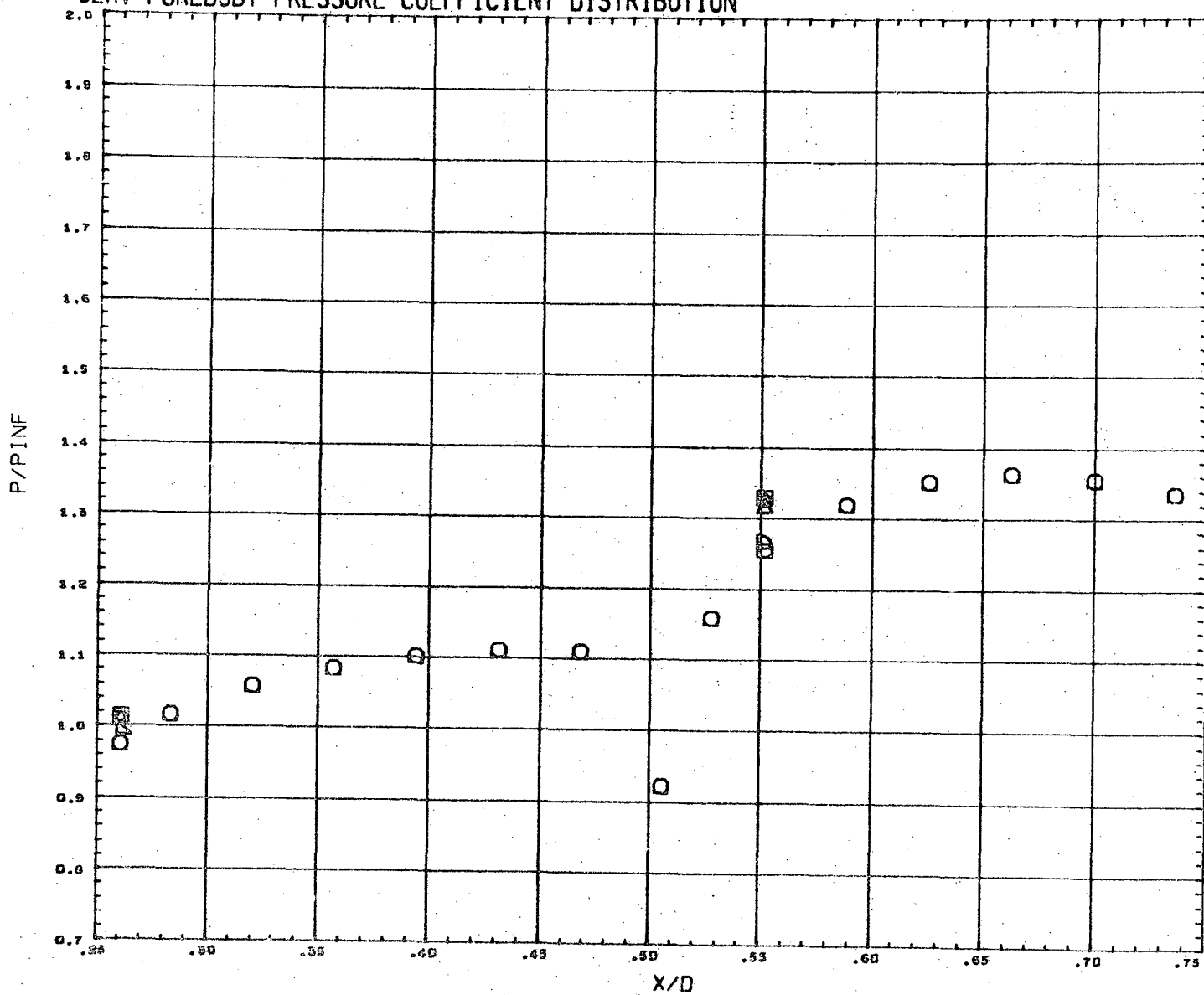
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	464.679	WS/WPC
		0.000

8570R096E.F002E CC80 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

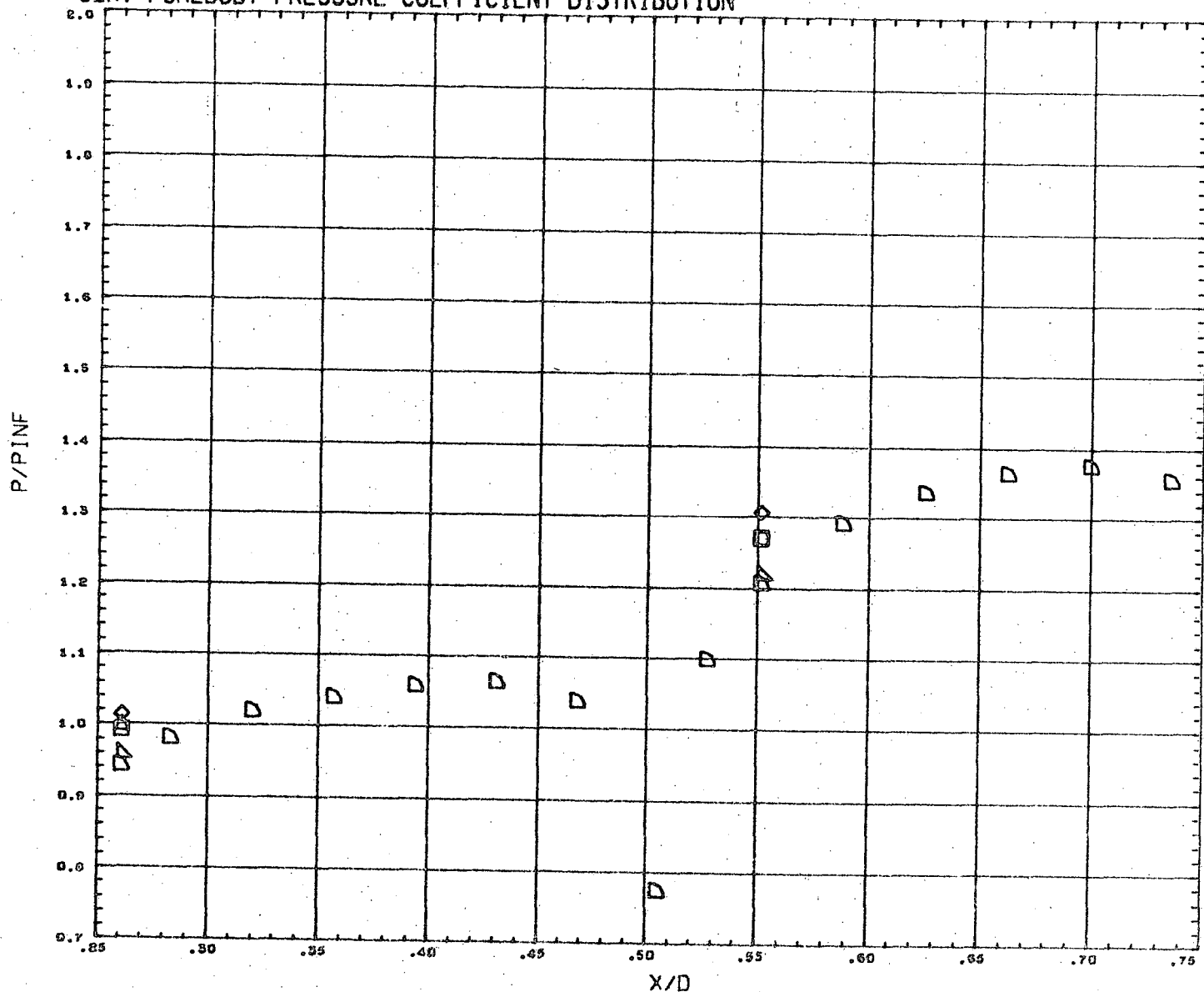


SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	0.000	306.157	0.905	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
◇	20.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
△	40.000			BREF	27.000	INCHES				
□	60.000			XMRP	0.000	DIAMTR				
▤	70.000			YMRP	0.000	DIAMTR				
▥	80.000			ZMRP	0.000	DIAMTR				

DATA SOURCE: FICORE CCSD TN-AP-70-443

AECG T250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



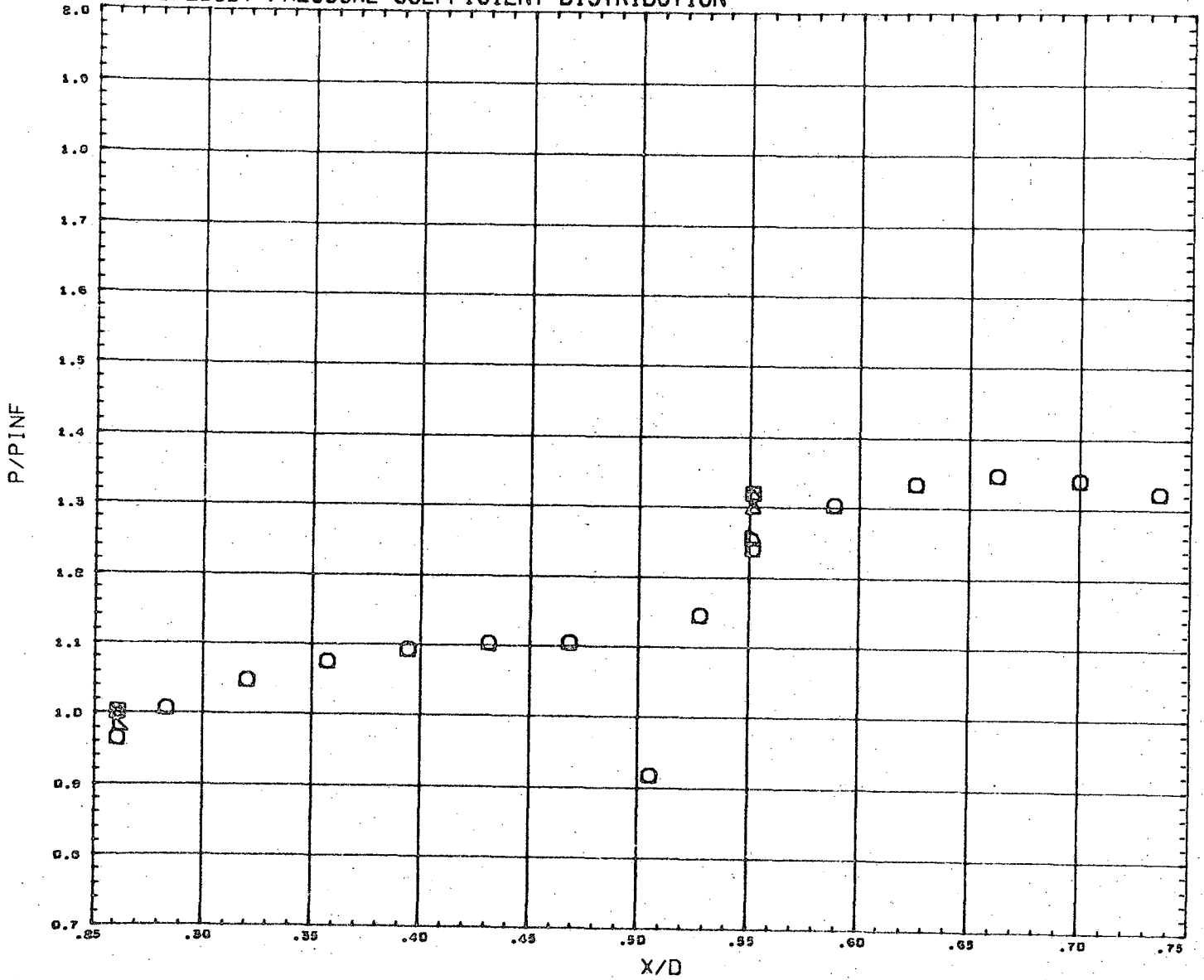
SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	100.000	306.157	0.905	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.000
◇	101.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
□	140.000			XMRP	0.000	DIAHTR				
▤	160.000			YMRP	0.000	DIAHTR				
▥	180.000			ZMRP	0.000	DIAHTR				
DATA SOURCE: F002E CC00 TN-AP-70-448										

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	PARAMETRIC VALUES
○	0.000	399.707	0.900	972.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	20.000			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WPC 0.000
◇	40.000									
◊	60.000									
◻	79.000									
◼	80.000									

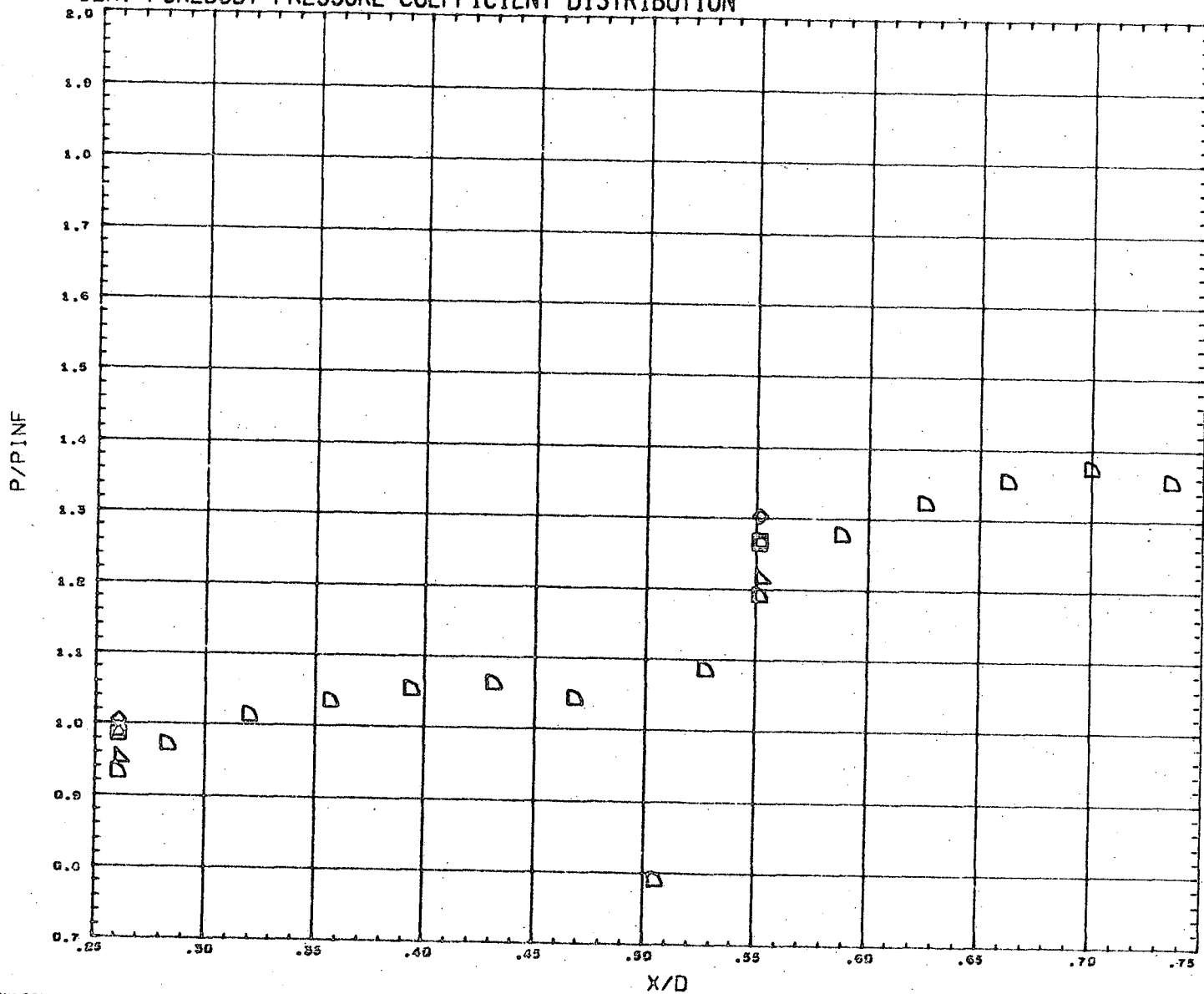
88758082.FE66E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



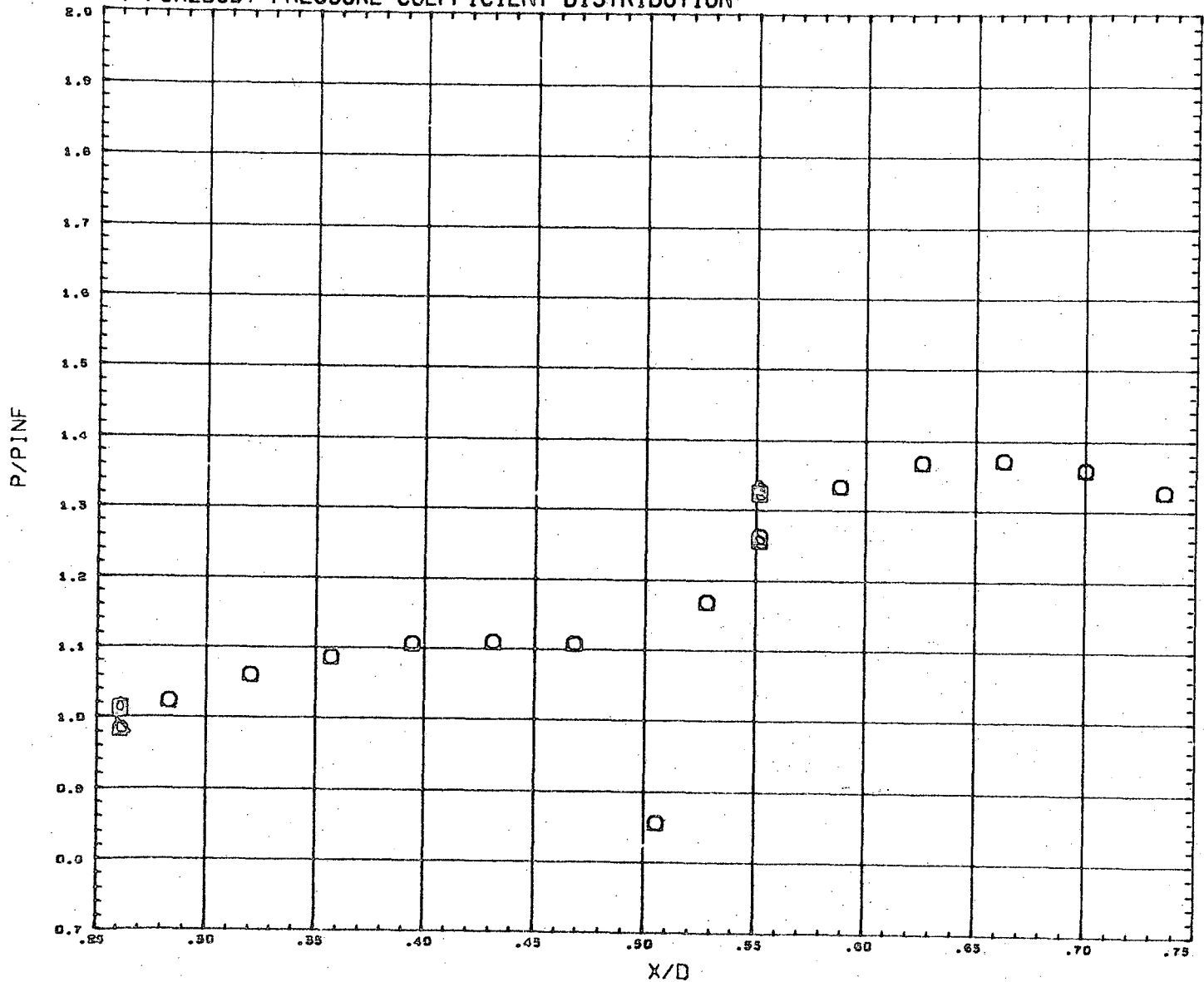
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58.1N.	E/DOOR	PARAMETRIC VALUES
○	100.000	399.707	0.900	LREF	27.000	INCHES	0.000	ALPHA 0.004
◇	101.000			BREF	27.000	INCHES	404.679	WS/WFC 0.000
◇	120.000			XMRP	0.000	DIAMTR		
◇	140.000			YMRP	0.000	DIAMTR		
◇	160.000			ZMRP	0.000	DIAMTR		
◇	180.000							

037ARD060.F000E CC80 TW-AP-70-448

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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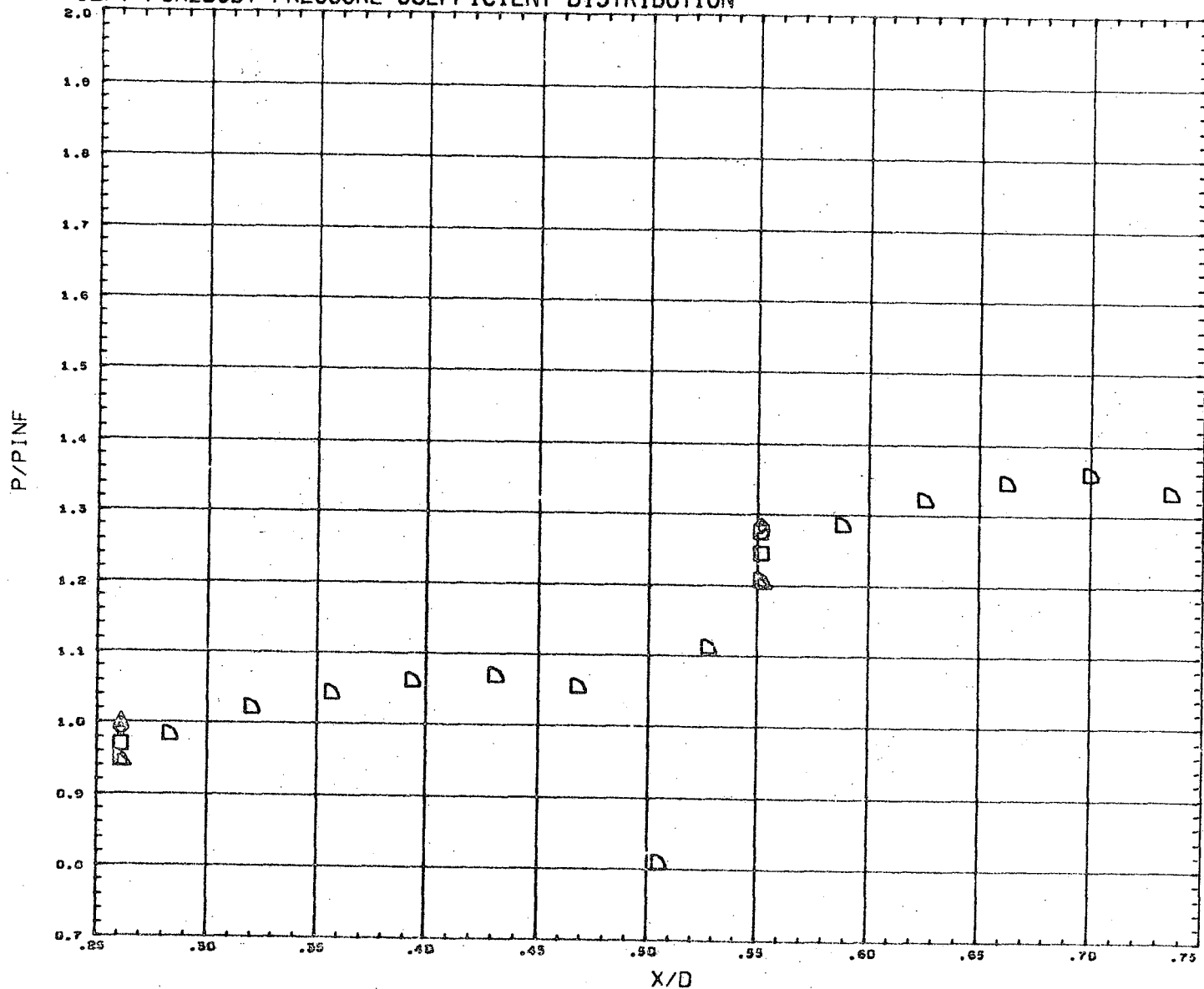
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
0	0.000	600.250	0.895	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
1	20.000			50.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
2	40.000									
3	60.000									
4	79.000									
5	80.000									

AEFC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

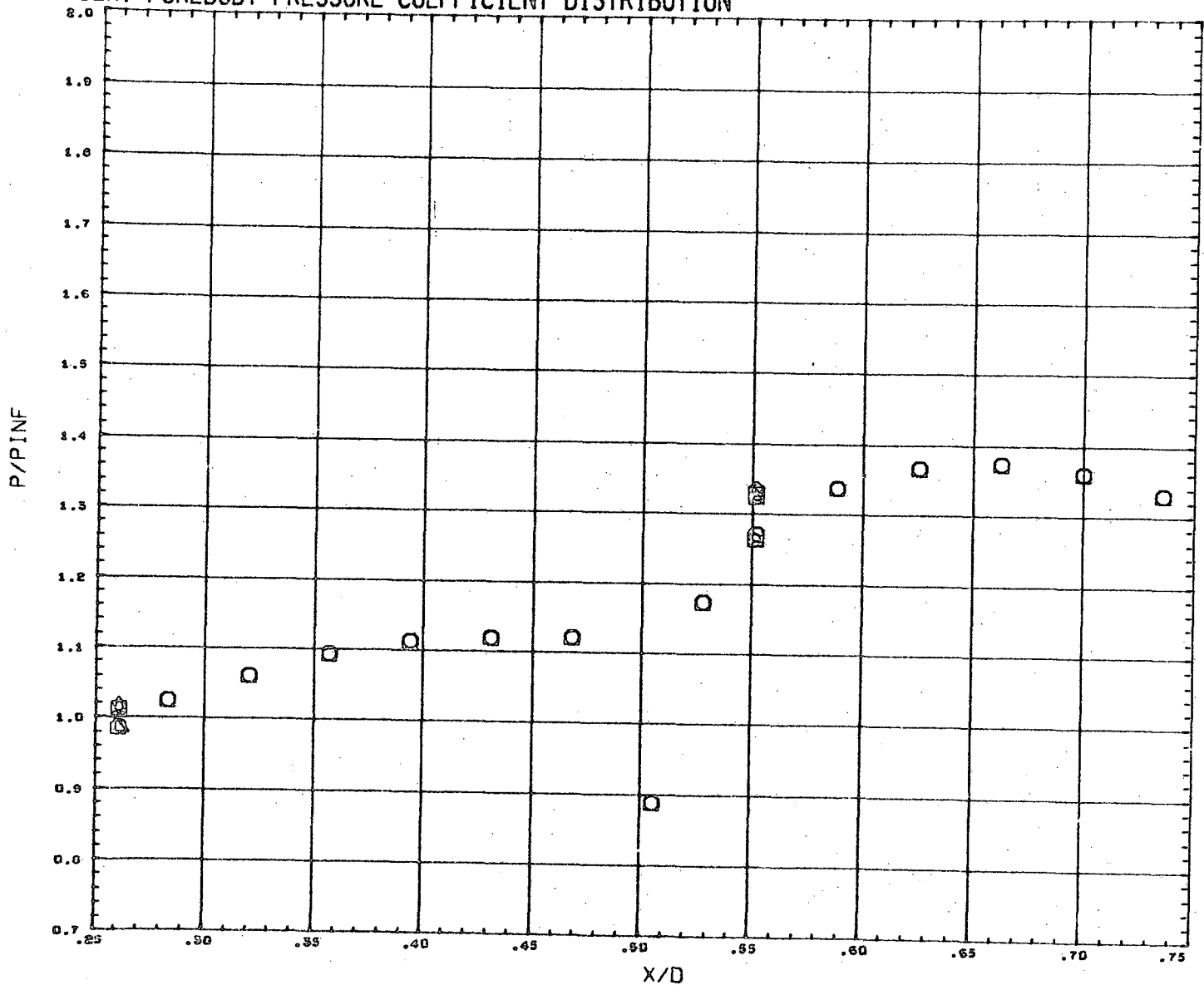
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	HACH					PARAMETRIC VALUES			
○	100.000	600.200	0.635	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	0.004	
◇	101.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000	
◇	120.000			BREF	27.000	INCHES					
□	140.000			XMRP	0.000	DIAMTR					
□	160.000			YMRP	0.000	DIAMTR					
◇	180.000			ZMRP	0.000	DIAMTR					

00758006.F006 CC00 TN-AP-70-443

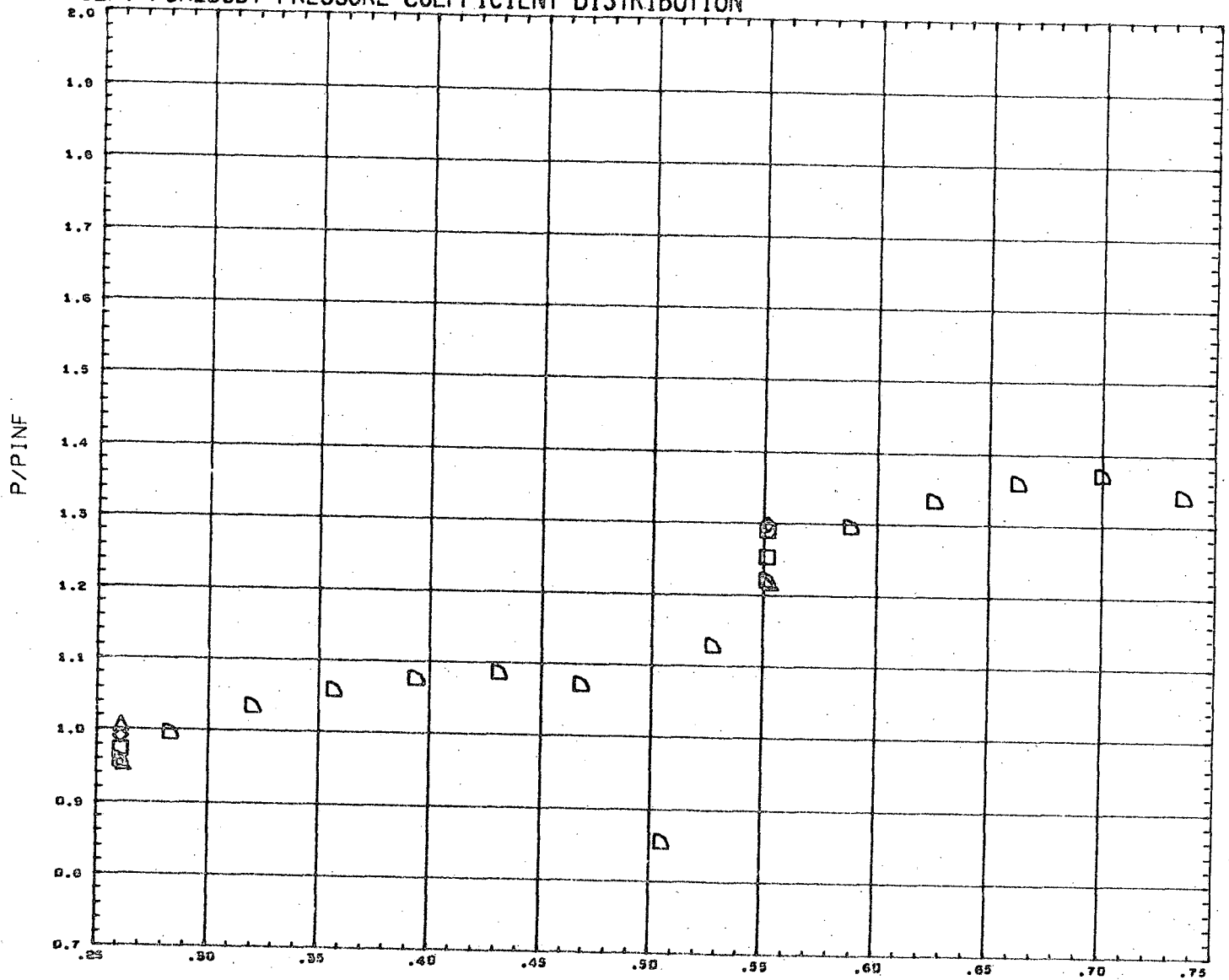
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG. IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.000	812.557	0.902	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679					
△	20.000																				
◇	40.000																				
□	60.000																				
▤	79.000																				
◊	80.000	88788888.F002E	CC00	TH-AP-70-445																	

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



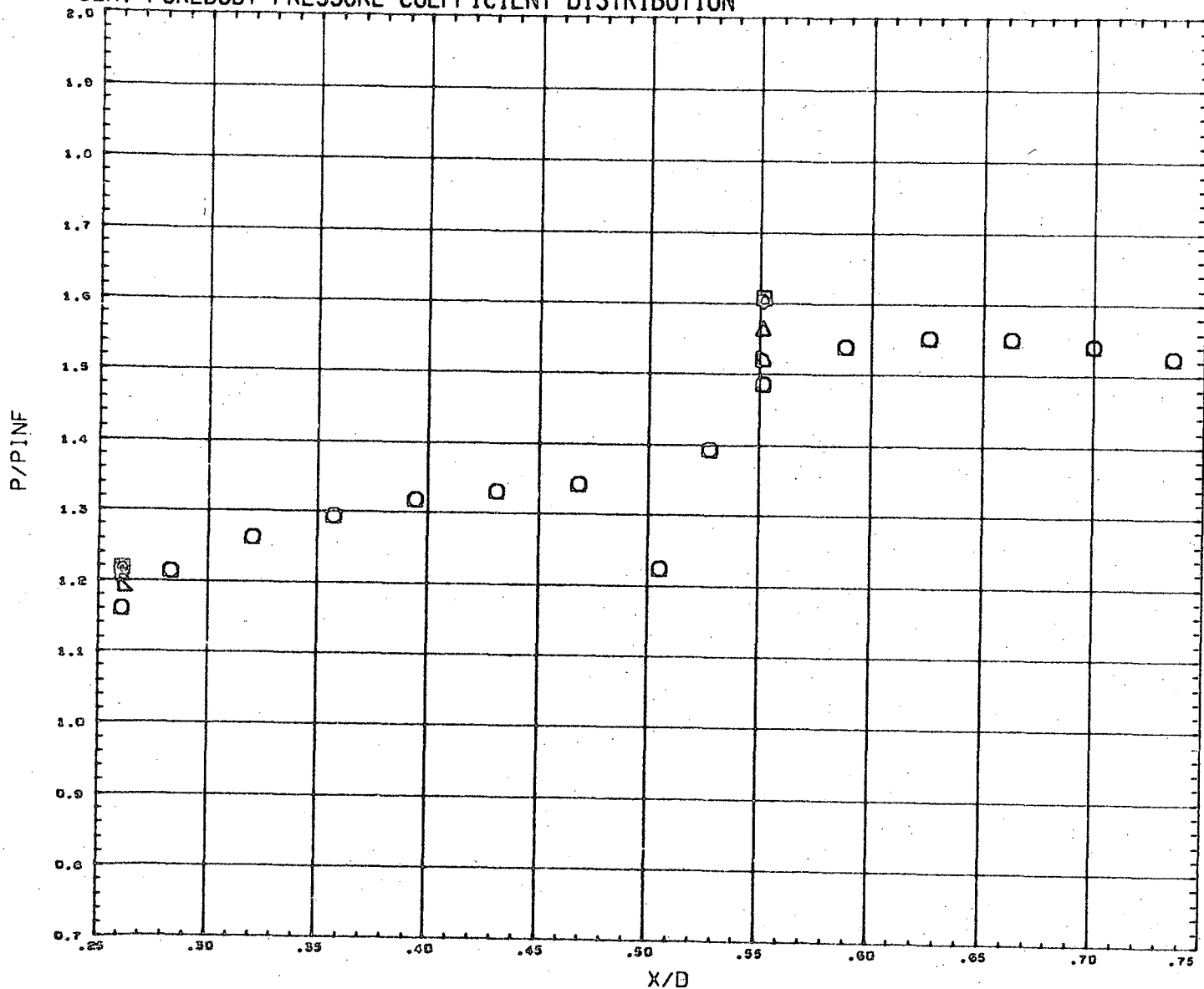
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
○	100.000	012.557	0.902	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
◇	101.000			BREF	27.000	INCHES		404.679	WS/WFC	0.000
□	120.000			XMRP	0.000	DIAMTR				
◻	140.000			YMRP	0.000	DIAMTR				
◻	160.000			ZMRP	0.000	DIAMTR				
◻	180.000									

00788888.FE02 CCSD TN-AP-70-440

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



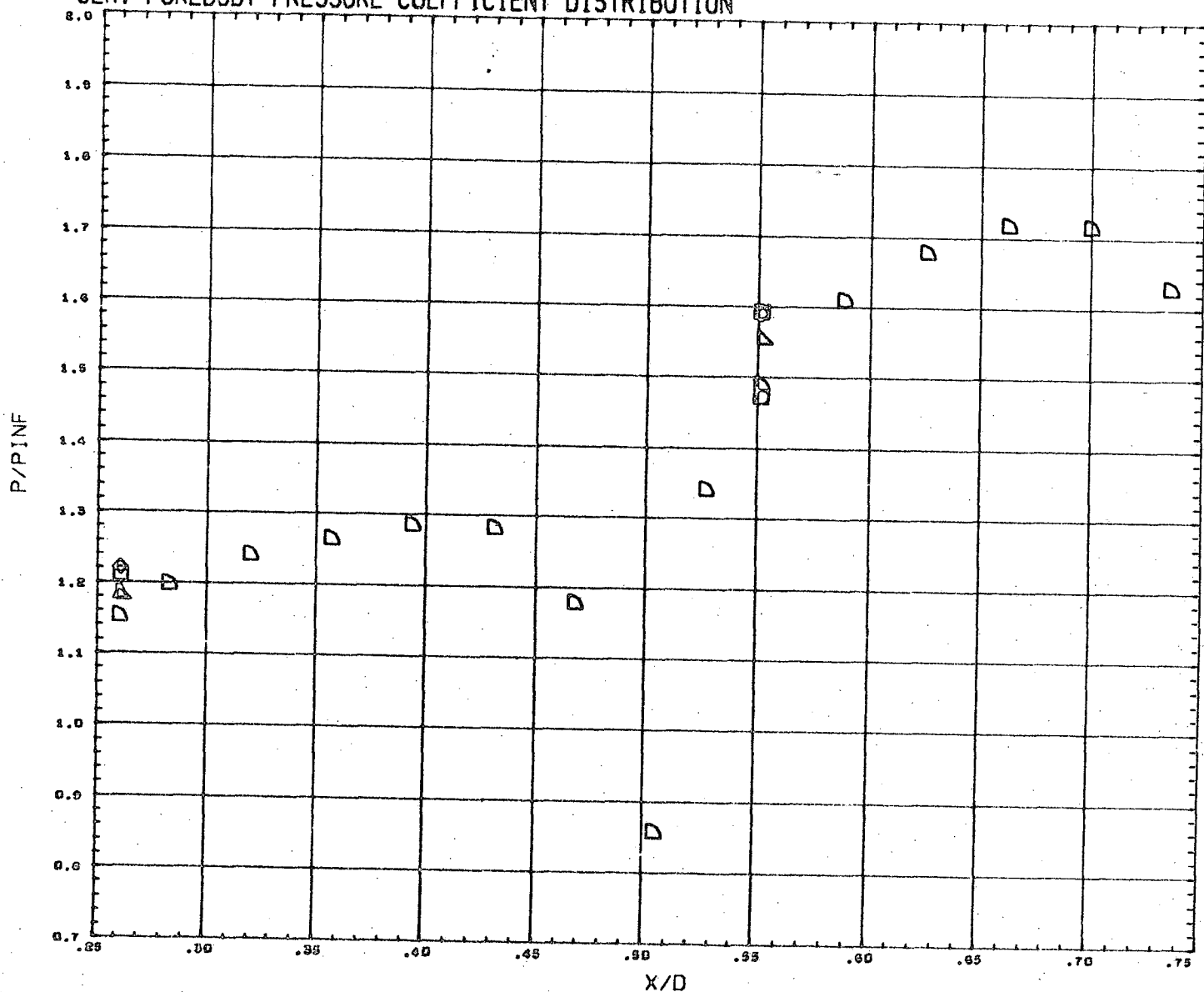
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◇	20.000			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	FC 404.679 WS/WFC 0.000
◊	40.000									
◻	60.000									
◼	70.000									
◽	80.000									

08708063.FE03E CCSD TM-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



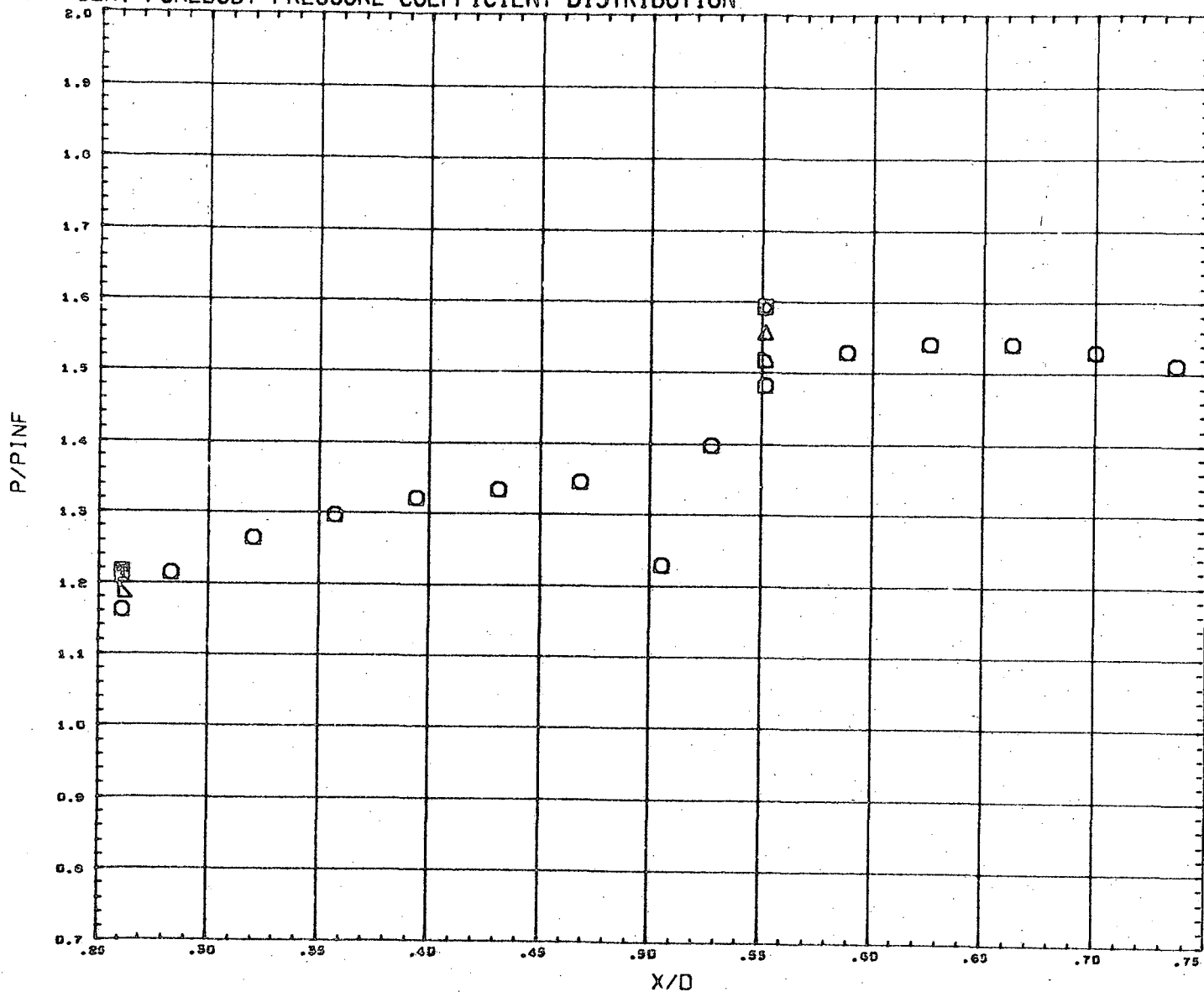
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100.000	395.993	1.100	SREF	572.557	SQ.IN.	E/DOOR	0.000
101.000			LREF	27.000	INCHES	PC	404.679
120.000			BREF	27.000	INCHES		ALPHA
140.000			XMRP	0.000	DIAMTR		WS/WPC
160.000			YMRP	0.000	DIAMTR		0.004
180.000			ZMRP	0.000	DIAMTR		0.000

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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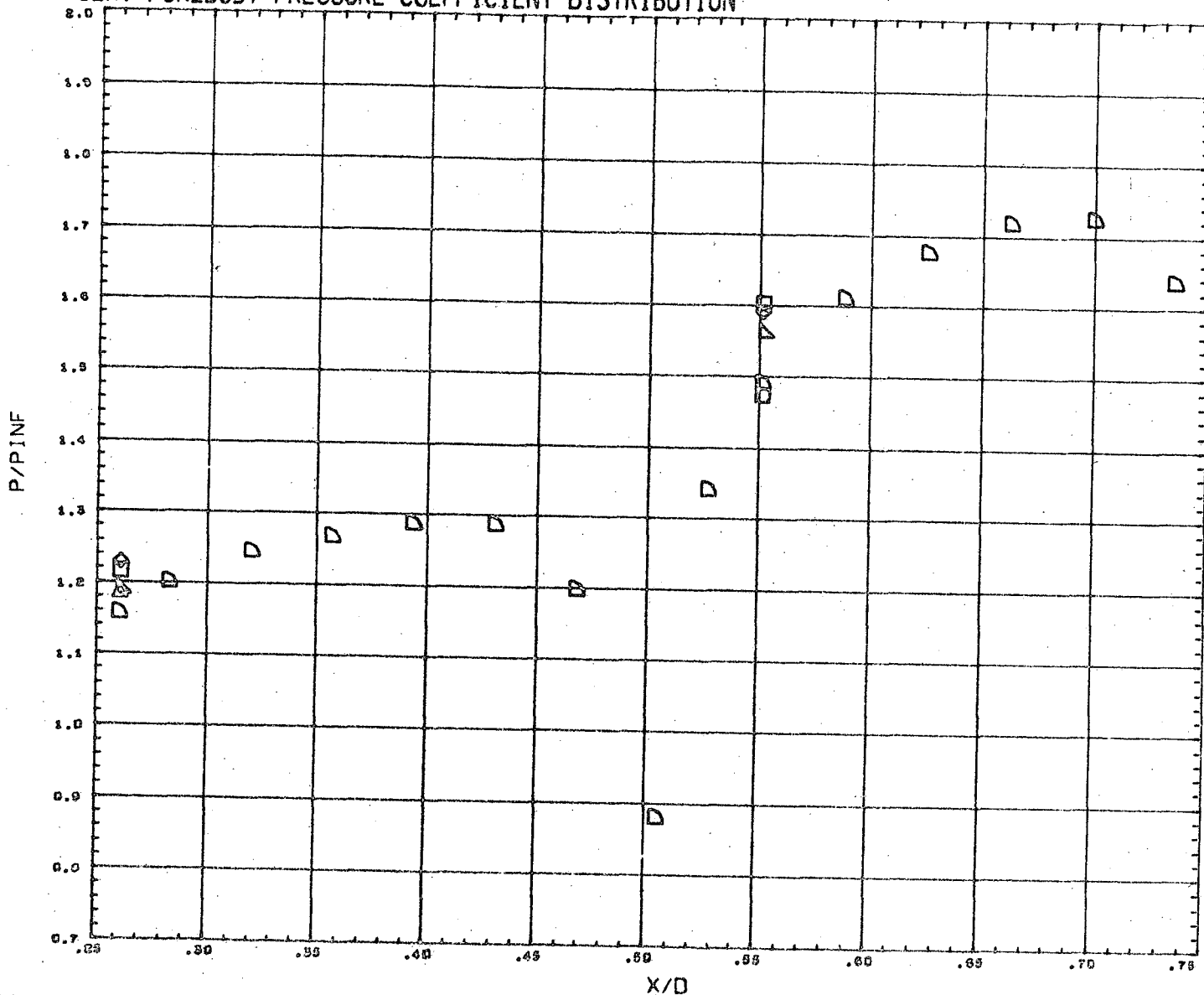
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.000	491.380	1.101	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	20.000			27.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
△	40.000									
□	60.000									
◇	70.000									
○	80.000									

00000000.F000E CC00 TH-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



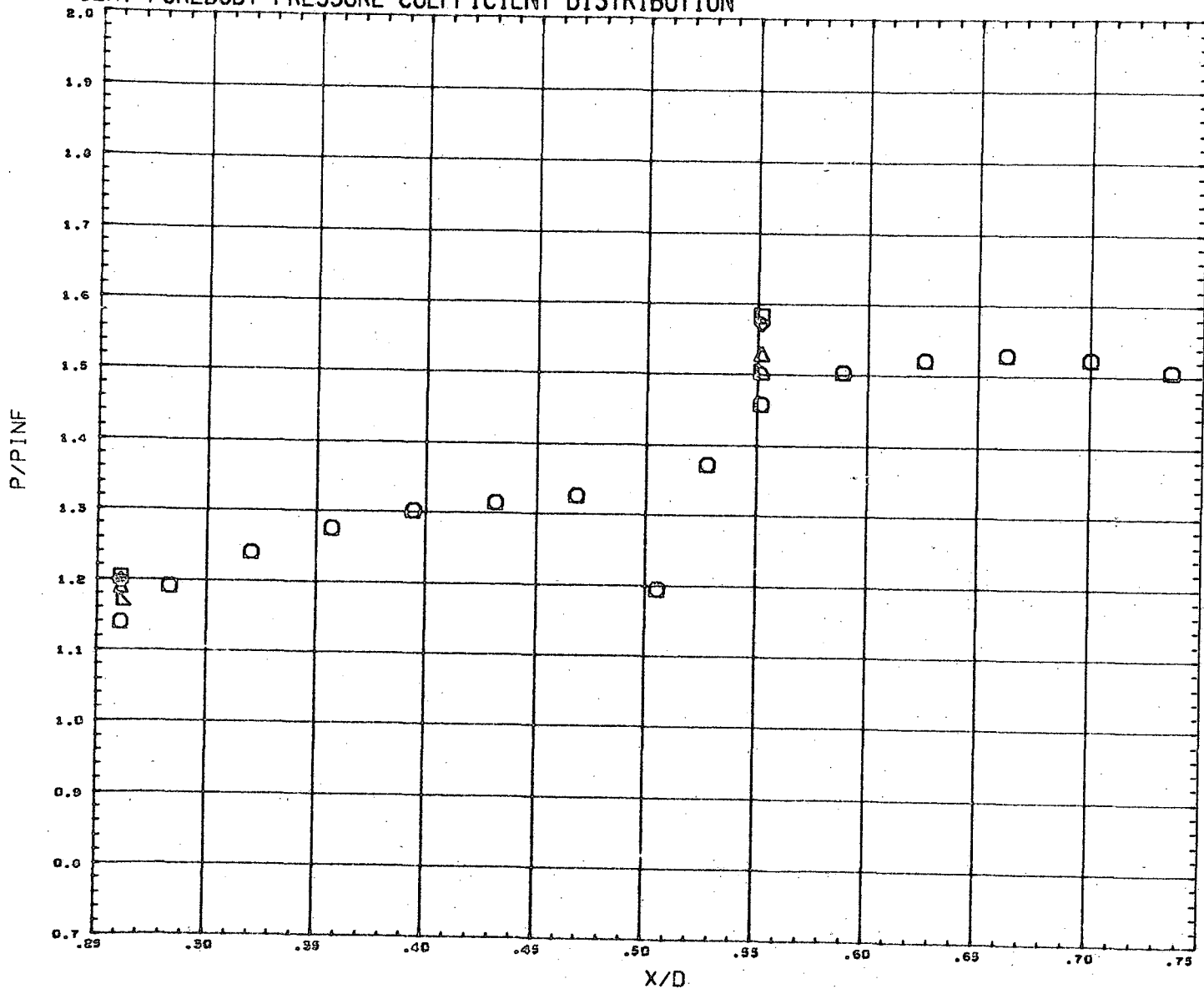
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101.000			27.000	INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000
120.000			0.000									
140.000			0.000									
160.000			0.000									
180.000			0.000									

08700000.F000E CCSD TN-AP-70-449

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

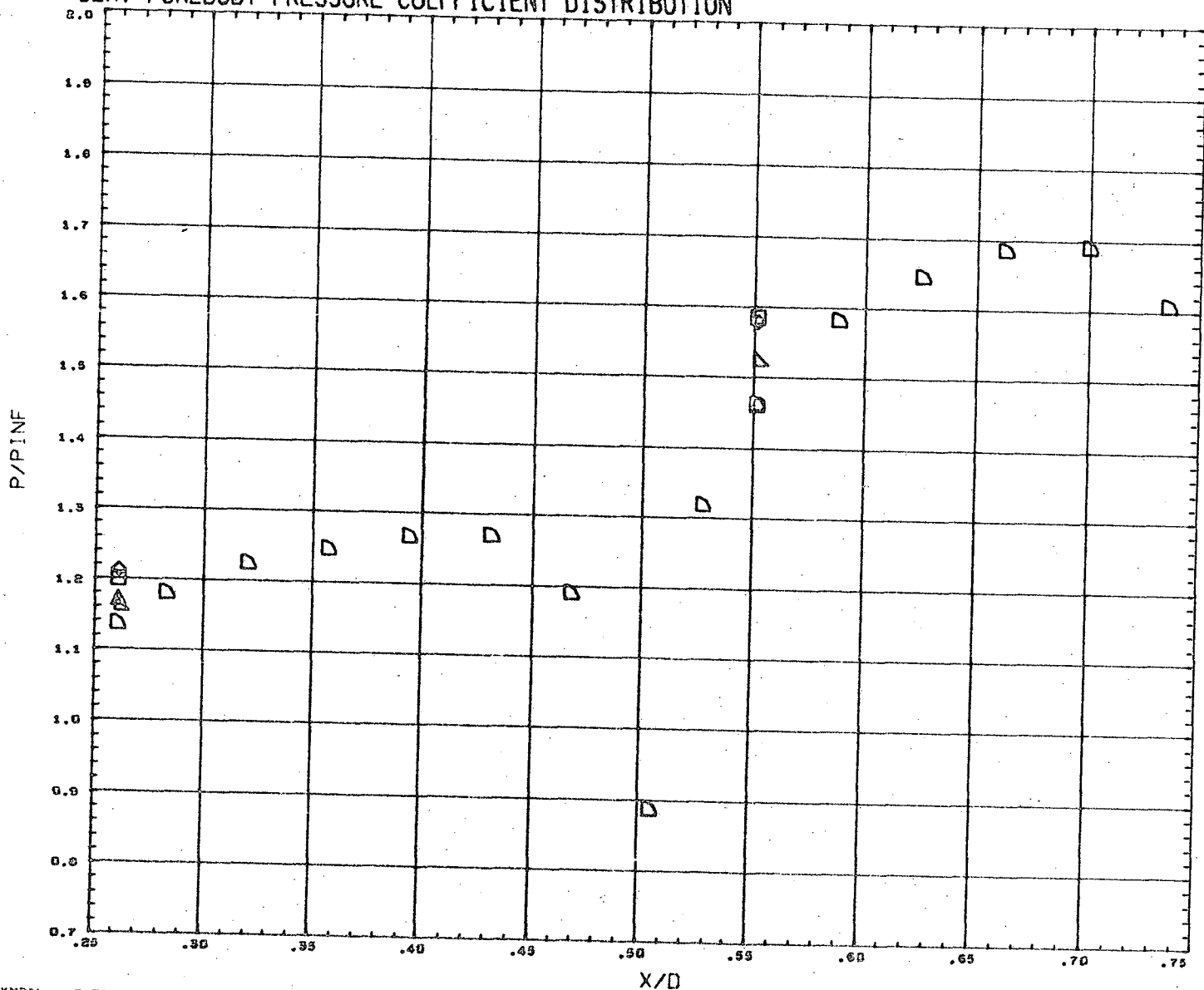


SYMBOL	THETA-	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.000	599.127	1.009	LREF	27.000	INCHES	FC	0.000	ALPHA
△	20.000			BREF	27.000	INCHES		404.679	WS/WPC
◇	40.000			XMRP	0.000	DIAMTR			0.000
□	60.000			YMRP	0.000	DIAMTR			
◇	79.000			ZMRP	0.000	DIAMTR			
◇	90.000	DISTANCE-FOUR CCSD TN-AP-70-449							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



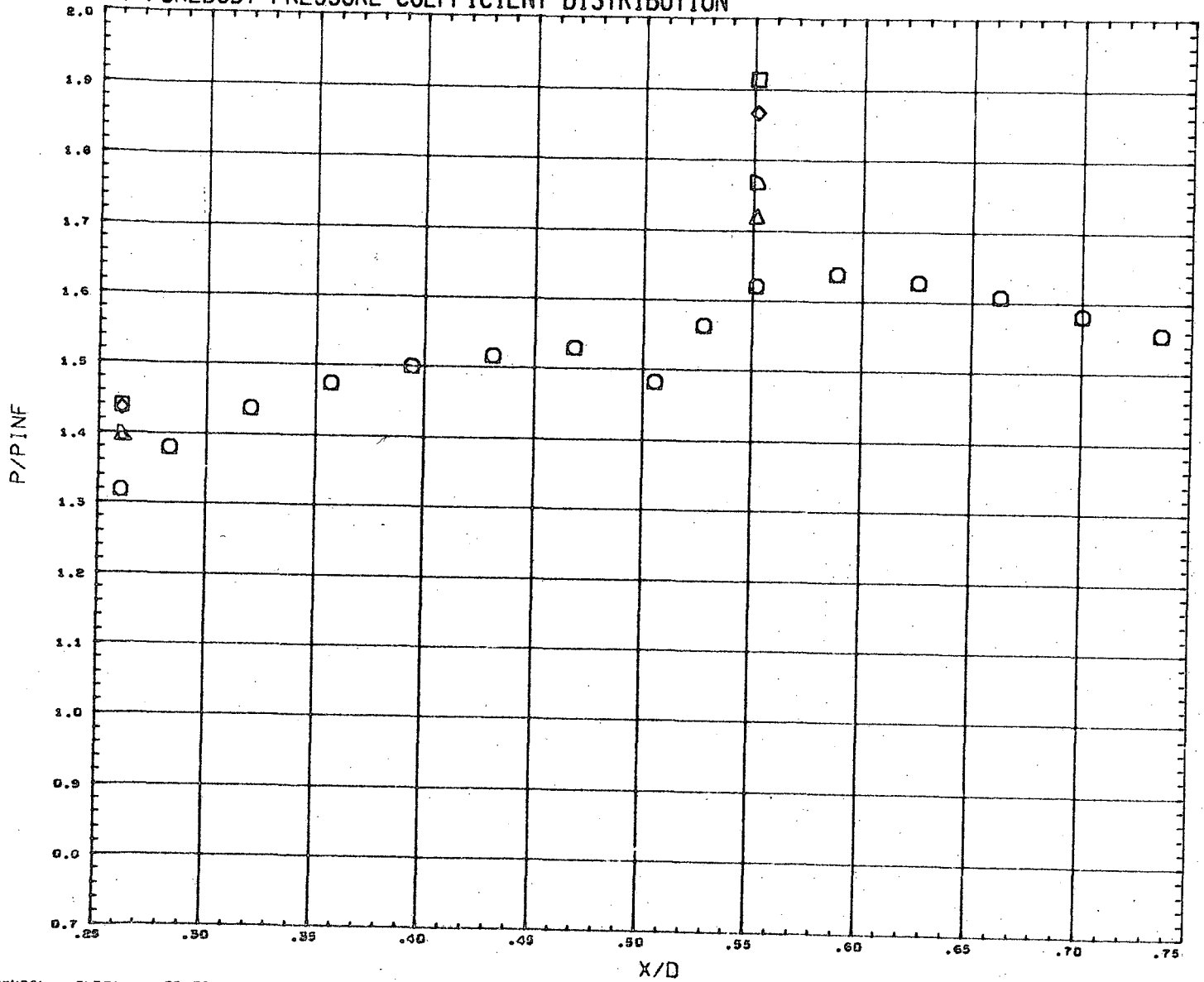
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
○	100.000	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	99.000	0.000	404.679	0.004	0.000
△	101.000									INCHES				
◇	120.000									INCHES				
□	140.000									DIAMTR				
△	160.000									DIAMTR				
◇	180.000									DIAMTR				

DIFFERENCE F.C.COE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

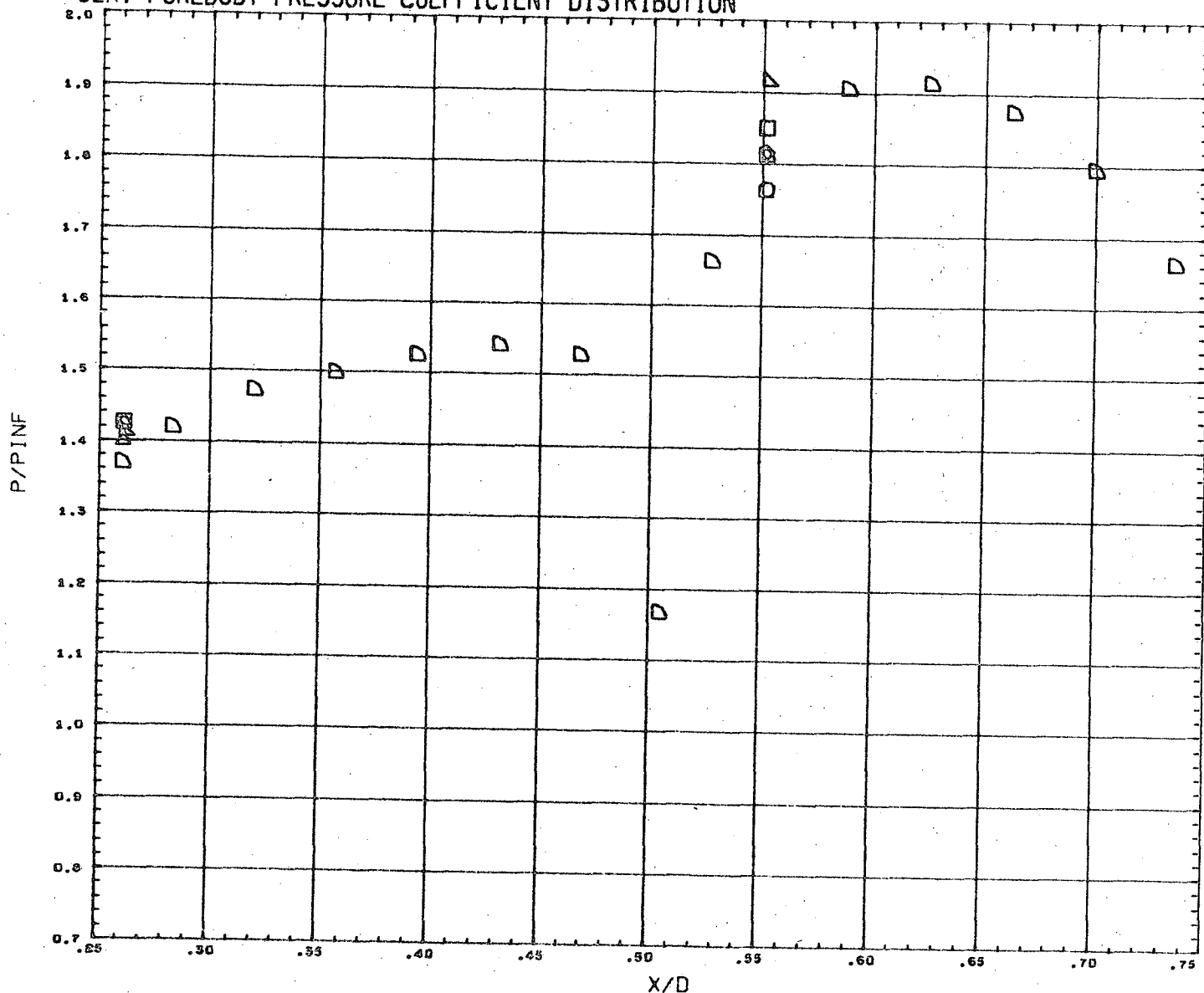


SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.000	406.125	1.254	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	20.000																			
◇	40.000																			
◊	60.000																			
◡	79.000																			
◢	80.000																			

DATA REDUCED FROM CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

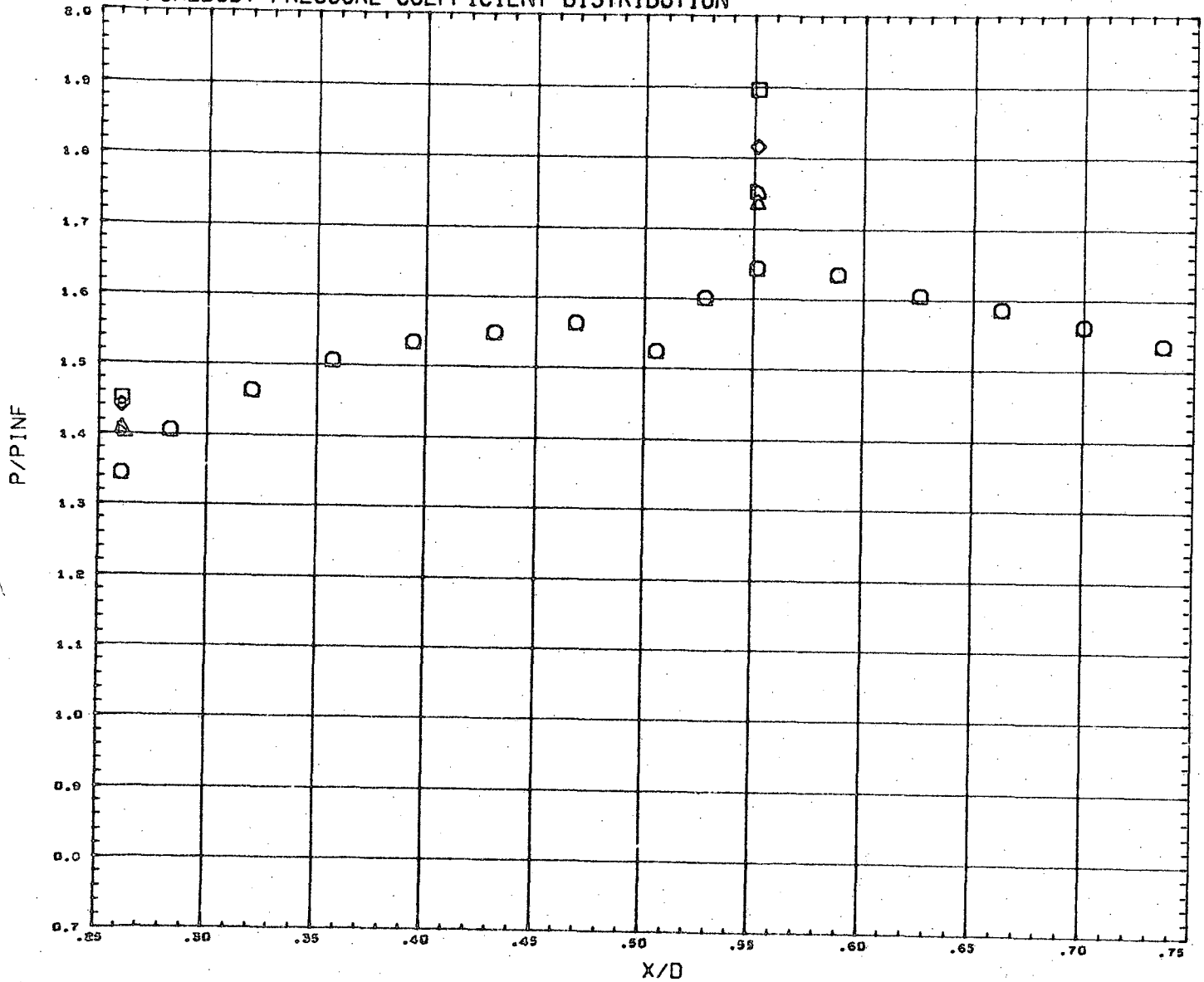
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
○	100.000	406.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
◇	101.000													
◻	120.000													
◻	140.000													
◻	160.000													
D	160.000	007AR000000.F000E	CC00 TH-AP-70-445											

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



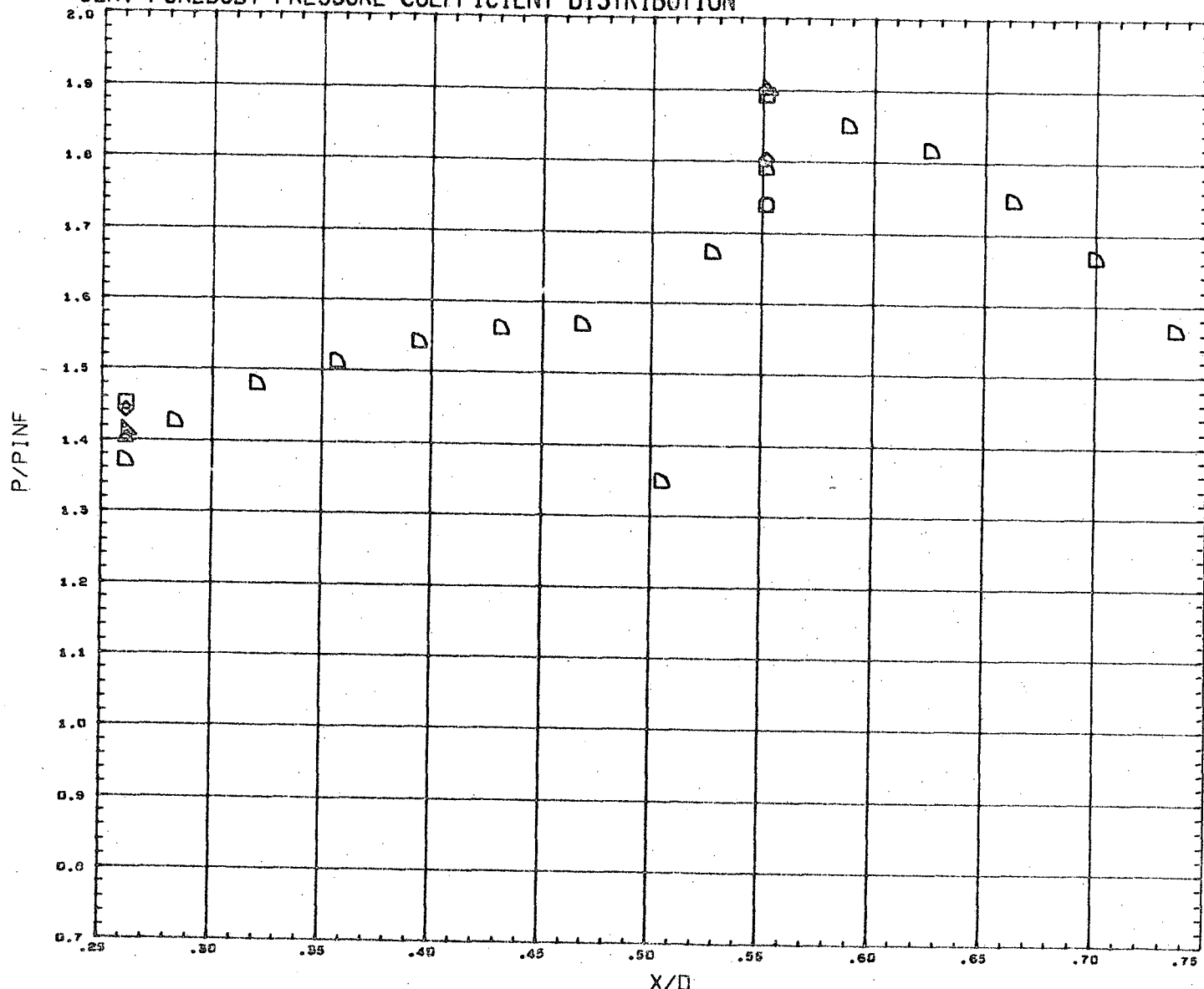
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.000	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	0.000	404.679	0.000	0.000	0.000	0.000	0.000
△	20.000																	
◇	40.000																	
□	60.000																	
▤	79.000																	
◻	80.000																	

DS7DR0003.F003E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

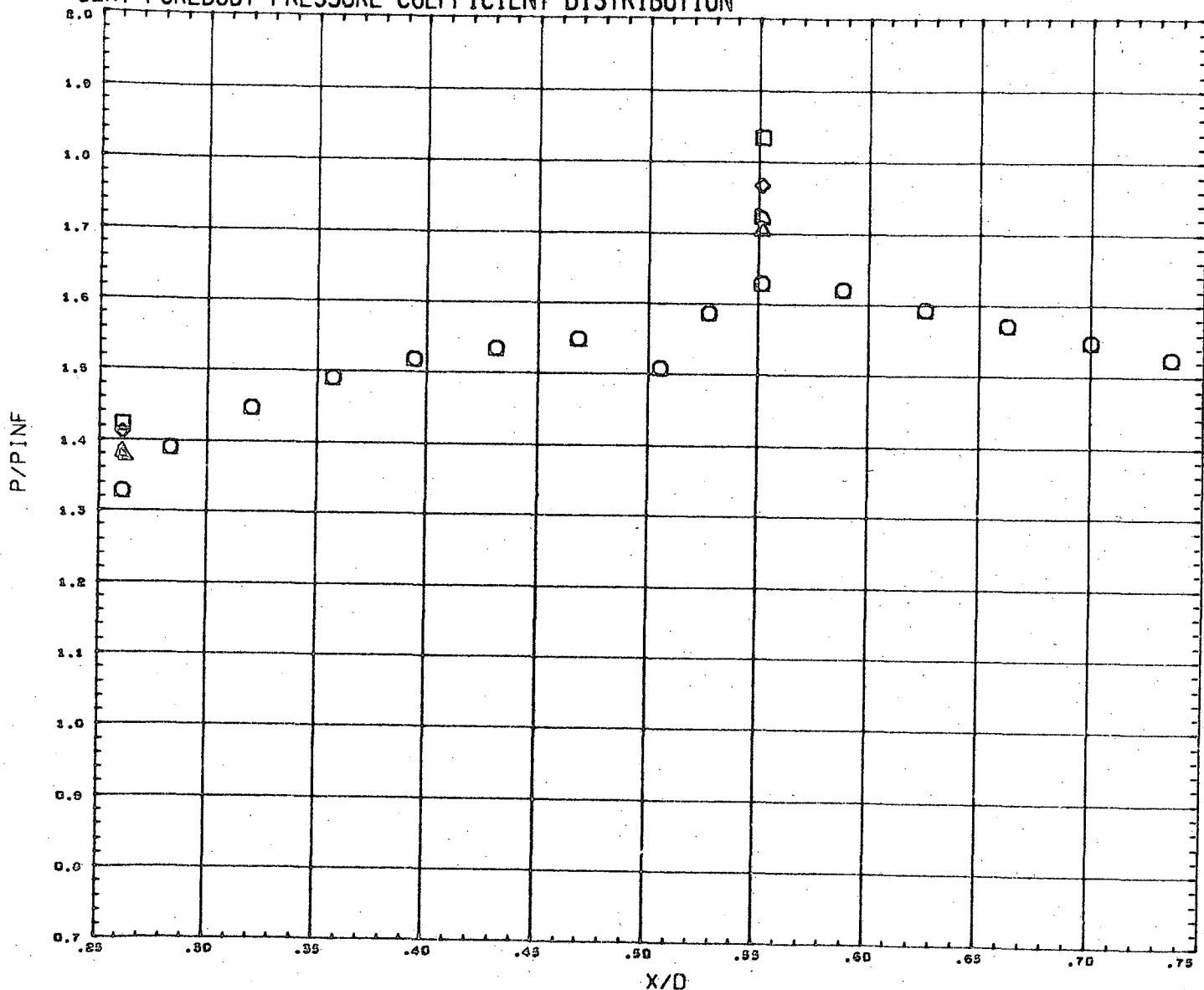
PAGE 75

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	100.000	751.932	1.261	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
◇	101.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.000			BREF	27.000	INCHES				
◇	140.000			XMRP	0.000	DIAMTR				
◇	160.000			YMRP	0.000	DIAMTR				
◇	180.000			ZMRP	0.000	DIAMTR				
007080062.F005E CCSD TN-AP-70-445										

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

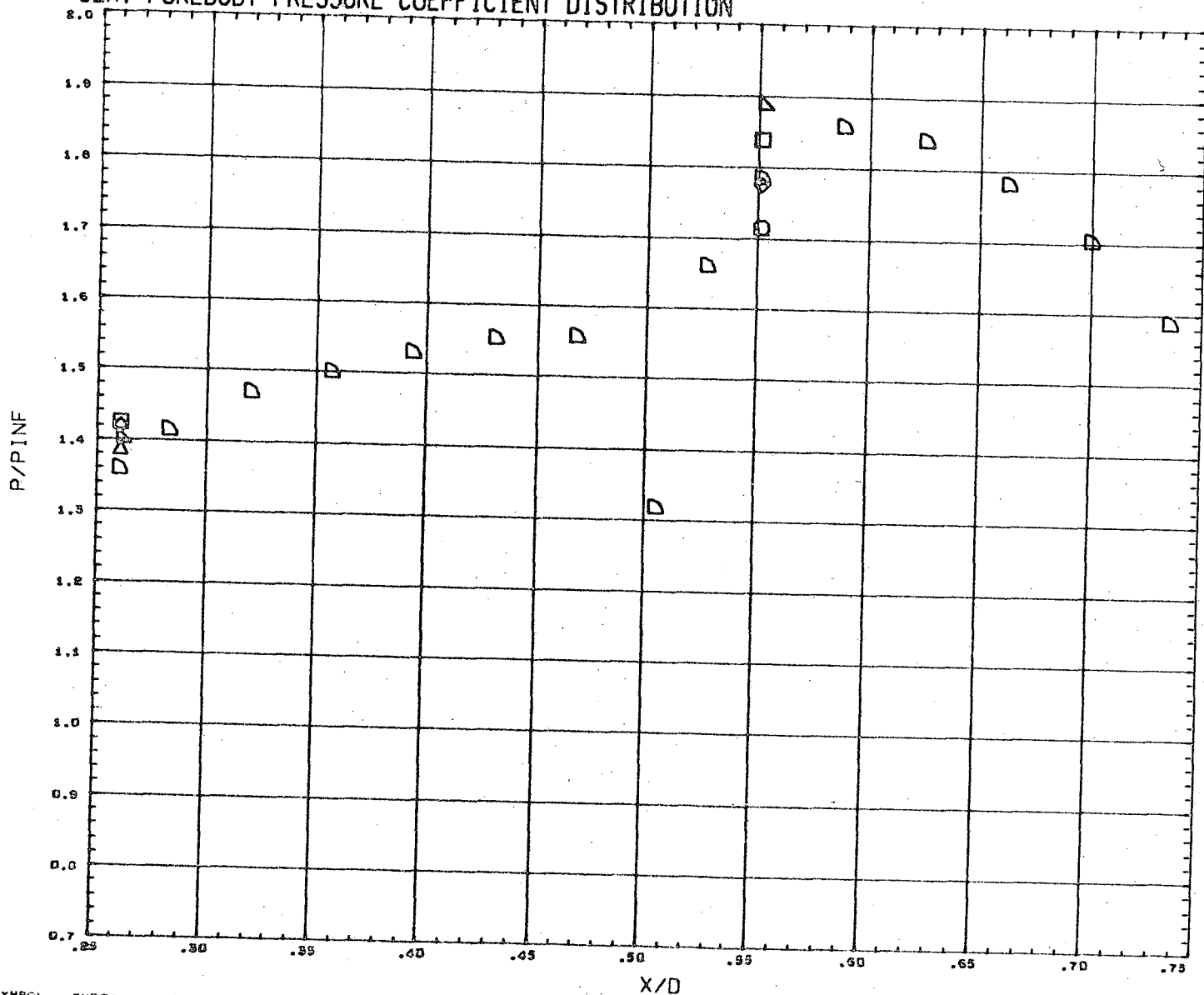


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.000	831.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
△	20.000			50.1IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	40.000													
□	60.000													
▤	70.000													
◻	80.000													

DISCRETE FLOW CC00 TN-AP-70-445

AERO TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



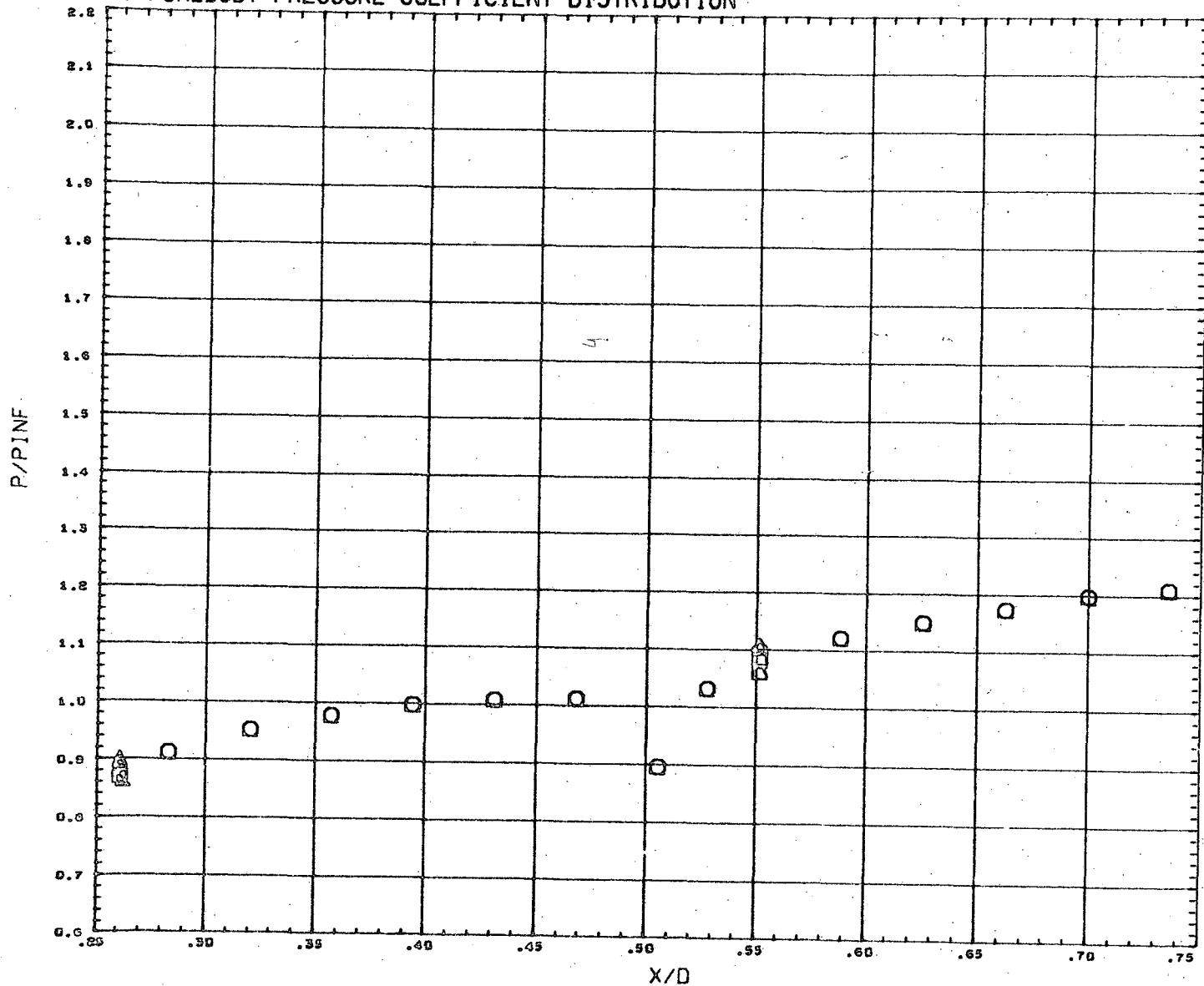
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
100.000	831.960	1.248	572.537	27.000	27.000	0.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
101.000			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR		PC 404.679 WS/WPC 0.000
120.000			0.000							
140.000			0.000							
160.000			0.000							
180.000			0.000							

00000000.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



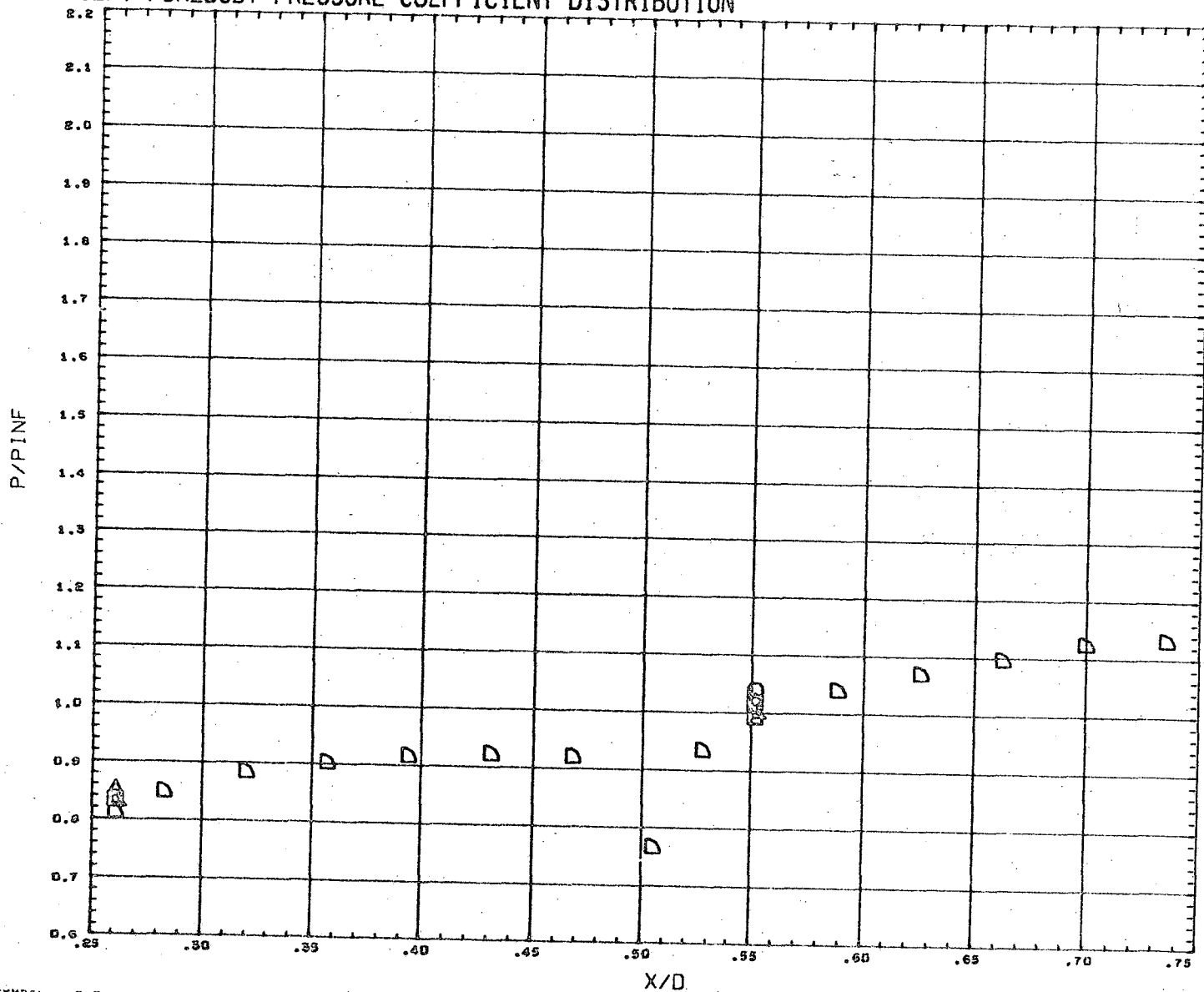
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC	
○	0.000	222.683	0.599	572.557	27.000	27.000	0.000	0.000	0.000	50. IN.	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	20.000																		8.022		
◇	40.000																				
□	60.000																				
▤	79.000																				
▥	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

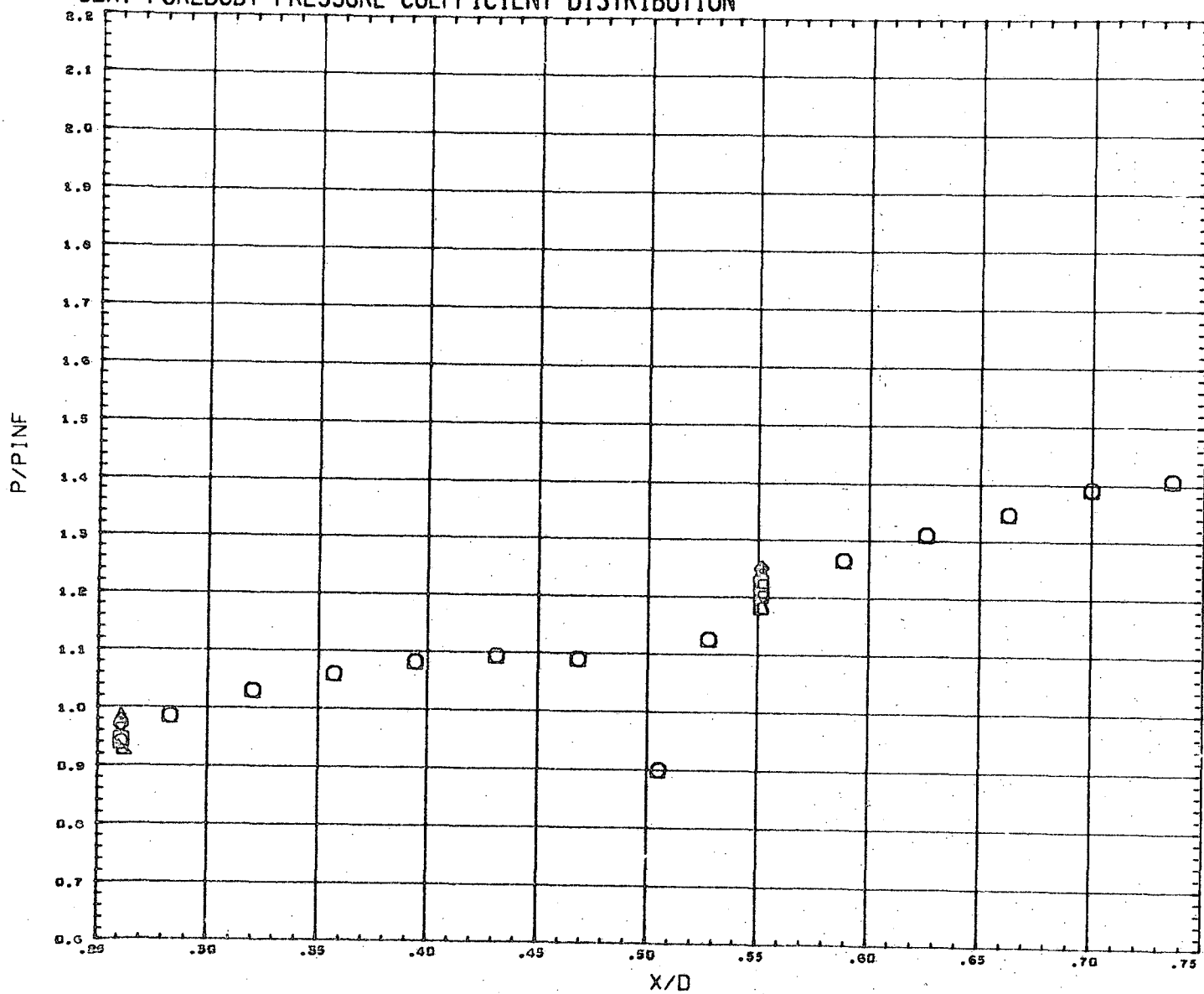


SYMBOL	THETA	PRATIO	MACH				
○	100.000	202.083	0.599	SREF	572.557	50. IN.	E/DOOR
△	101.000			LREF	27.000	INCHES	0.000
◇	120.000			BREF	27.000	INCHES	ALPHA
◊	140.000			XMRP	0.000	DIAMTR	8.022
◑	160.000			YMRP	0.000	DIAMTR	FC
◒	160.000			ZMRP	0.000	DIAMTR	402.996
							WS/WPC
							0.000

00758806E.FE00E CC89 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



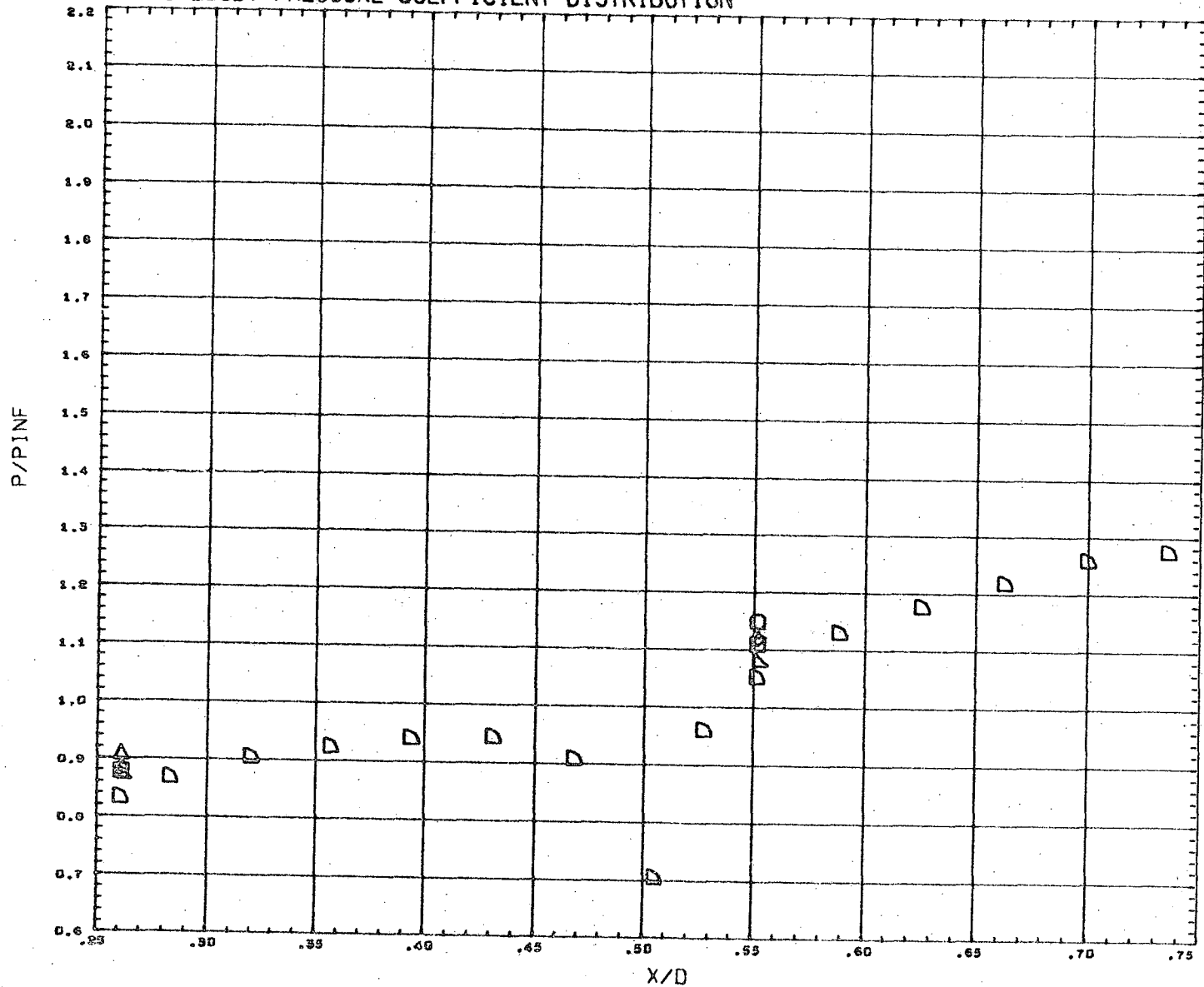
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	PARAMETRIC VALUES
○	0.000	299.500	0.801	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000
△	20.000			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	ALPHA 8.022
◇	40.000									FC 402.996
□	60.000									WS/WFC 0.000
▤	79.000									
▥	80.000									

DS#BR096E.FLGE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

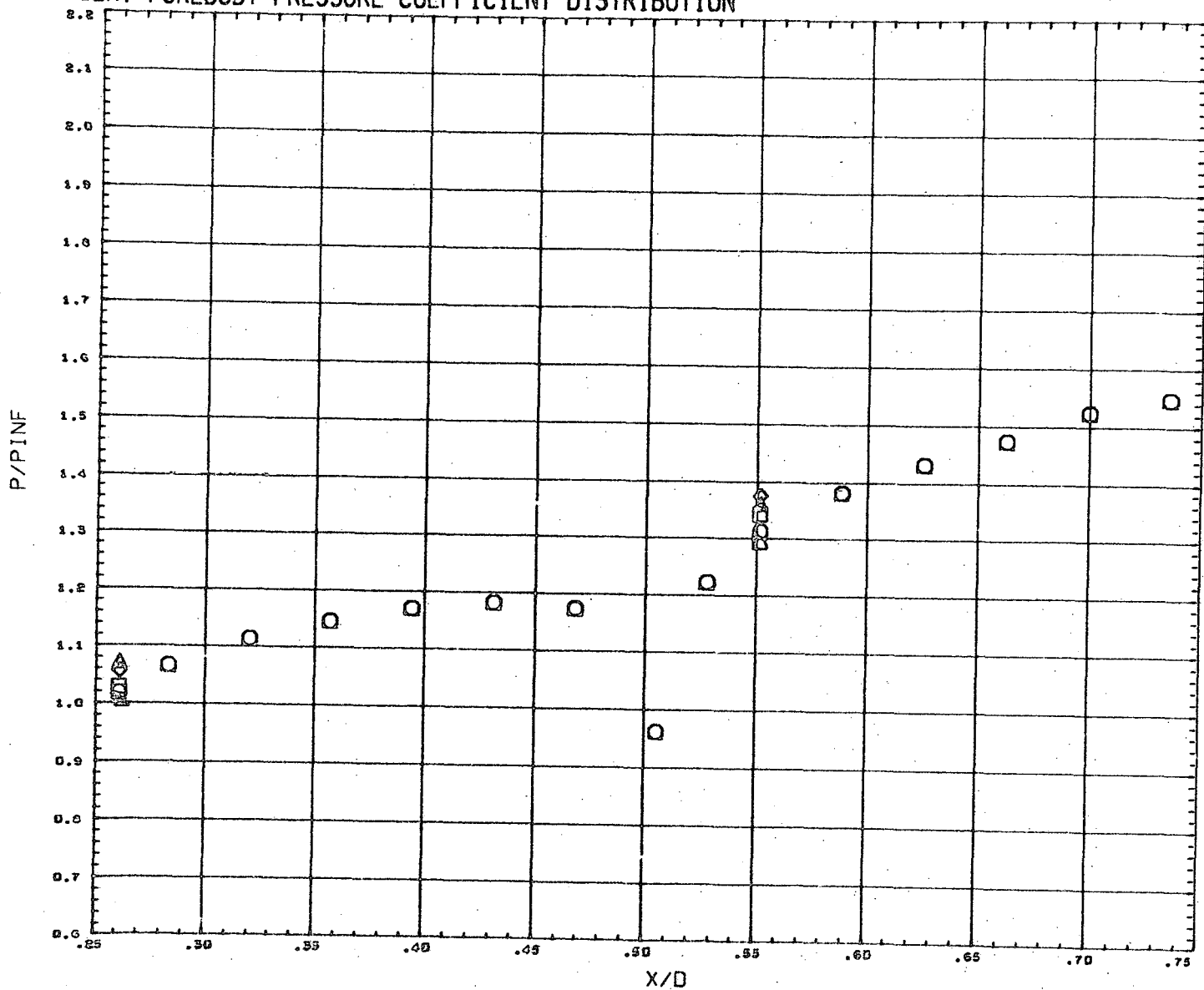


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	PARAMETRIC VALUES
○	100.000	299.500	0.801	572.557	27.000	27.000	0.000	0.000	0.000	8.022
△	101.000			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	ALPHA
◇	120.000									WS/WPC
□	140.000									
▤	160.000									
▥	180.000									

DATA SOURCE: FACE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SE.IN.	INCHES	E/DOOR	FC	PARAMETRIC VALUES		
0.000	398.487	0.099	572.557	27.000	27.000	27.000	0.000	0.000	0.000	28.000	INCHES	0.000	402.996	ALPHA	8.022	
20.000														WS/WFC	0.000	
40.000																
60.000																
79.000																
80.000																

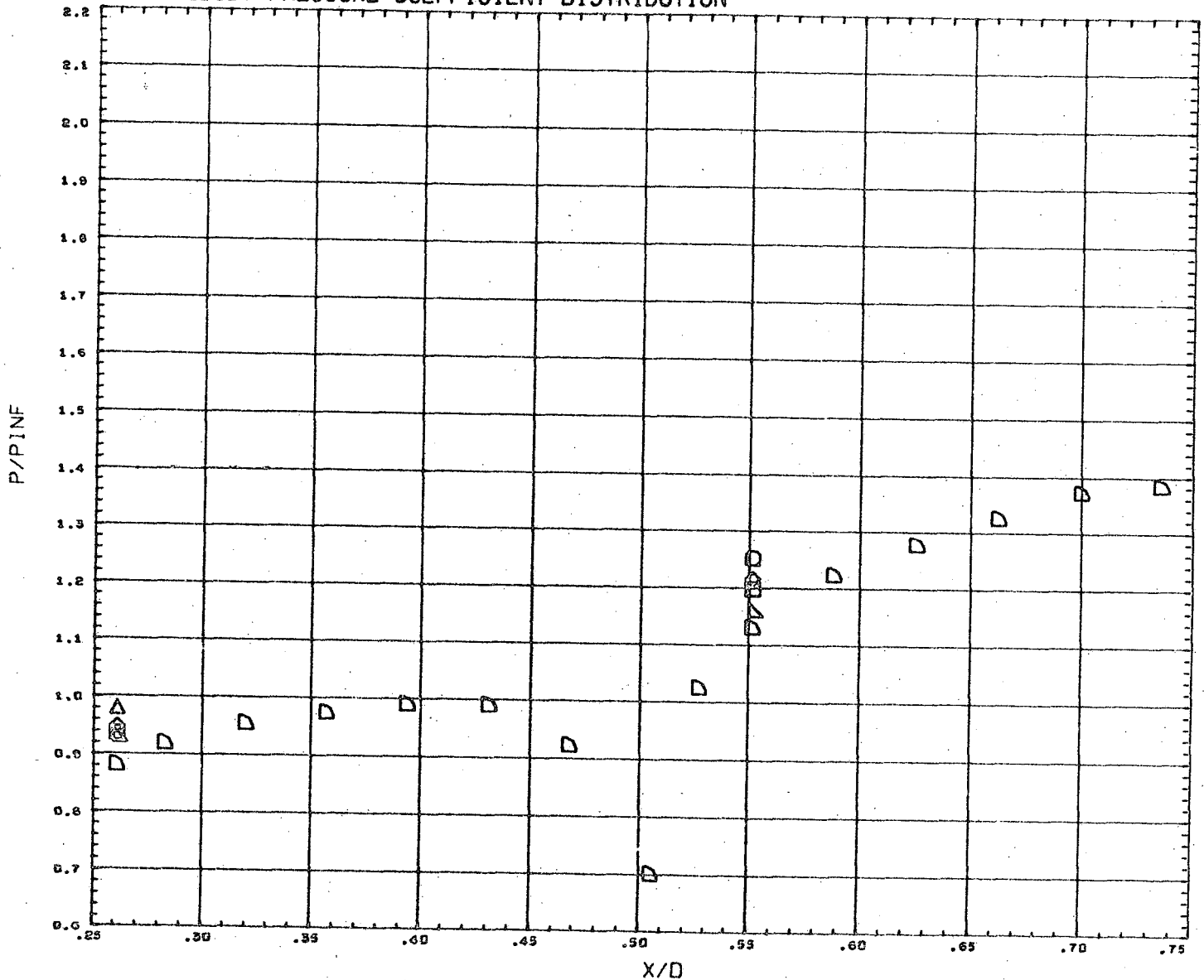
00000000.F000E CC09 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



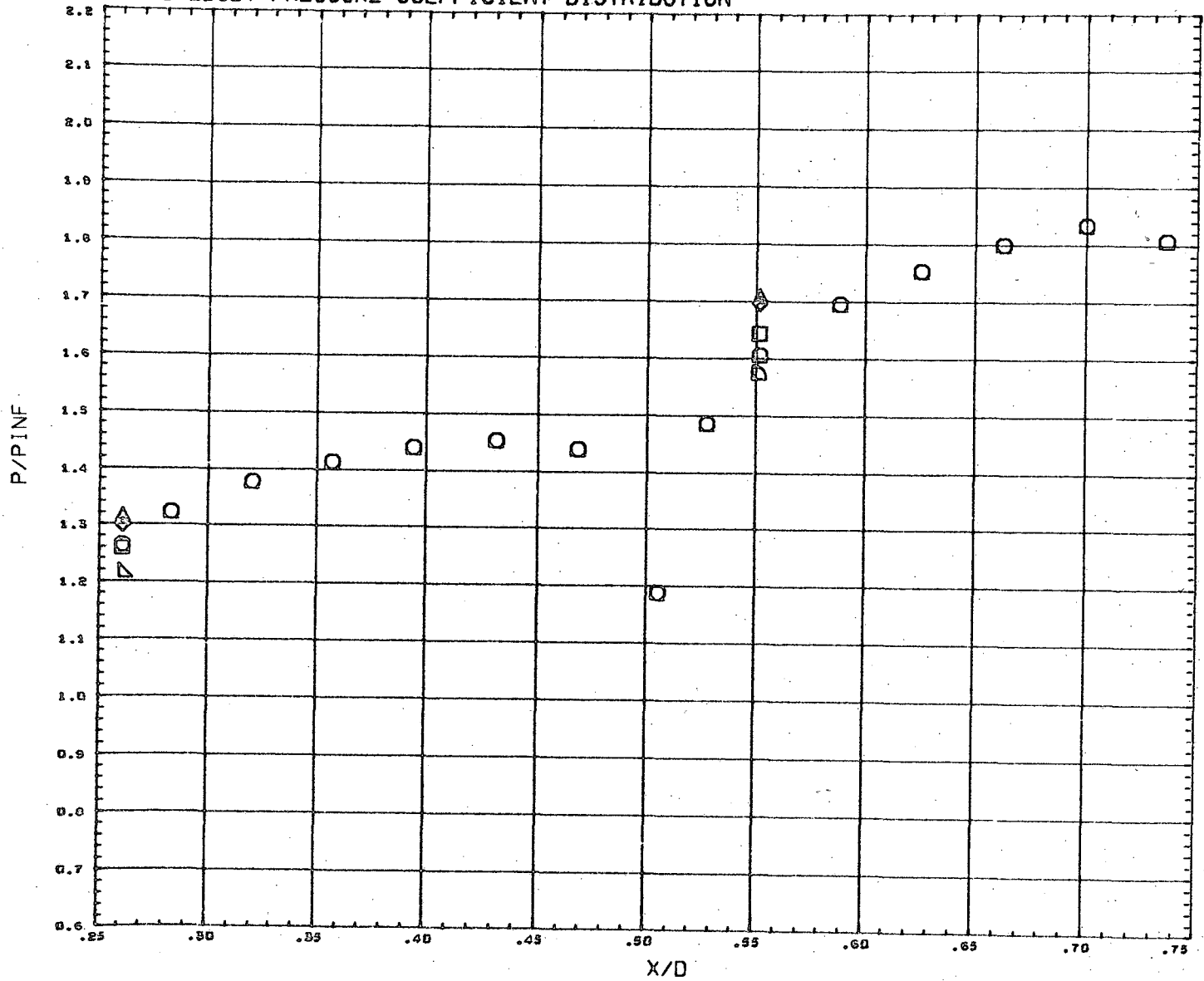
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.022	0.000
100.000	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	0.000	58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	482.996	0.000	0.000	0.000	0.000	0.000
101.000																						
120.000																						
140.000																						
160.000																						
180.000																						

DATA REDUCED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

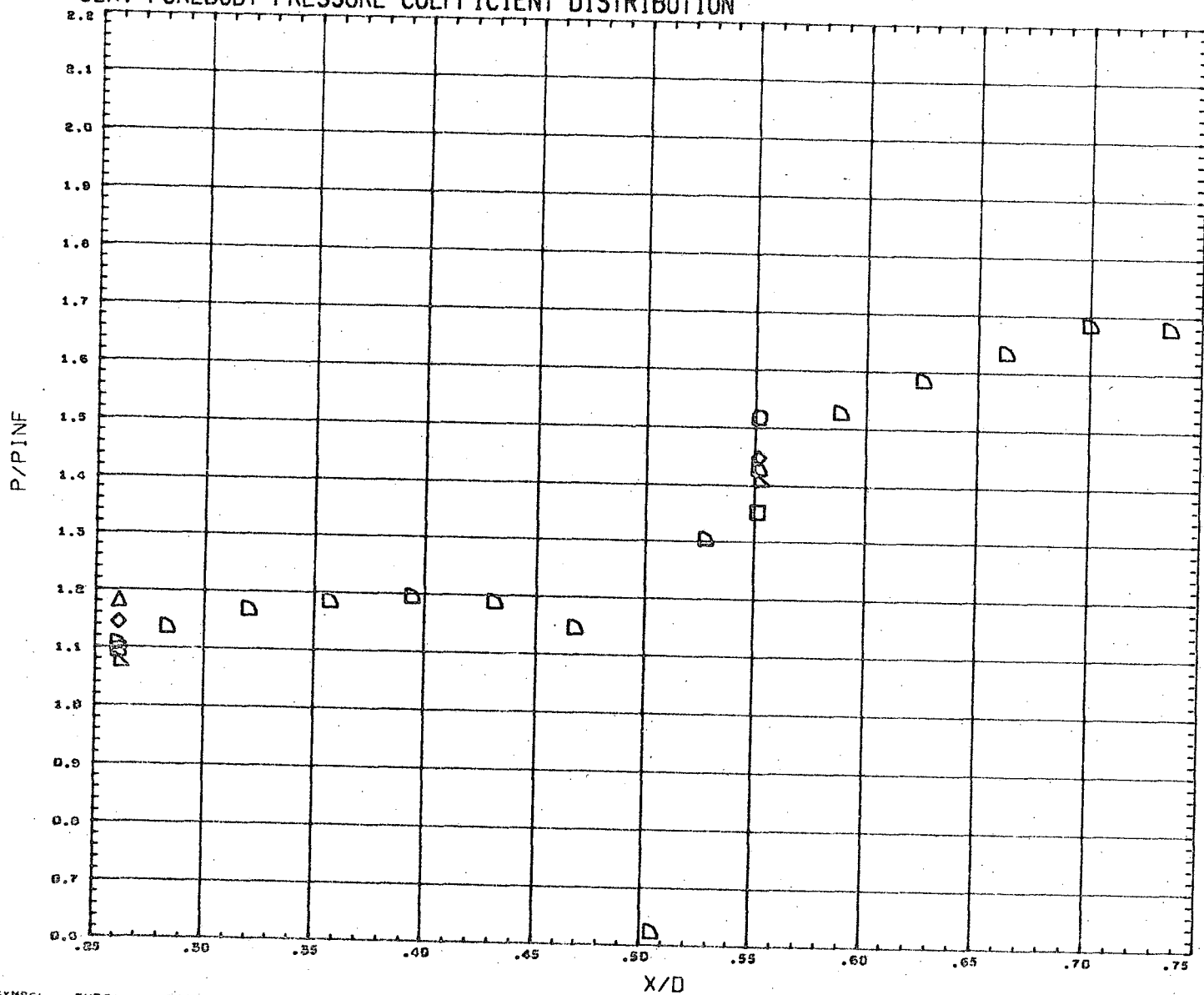


SYMBOL				PARAMETRIC VALUES			
○	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR
△	0.000	402.407	1.100	LREF	27.000	INCHES	0.000 ALPHA
◇	20.000			BREF	27.000	INCHES	8.022
◊	40.000			XMRP	0.000	DIAMTR	PC
◻	60.000			YMRP	0.000	DIAMTR	402.996 WS/WFC
▤	70.000			ZMRP	0.000	DIAMTR	0.000
▥	80.000	0000000.FE02E	CC00 TN-AP-70-443				

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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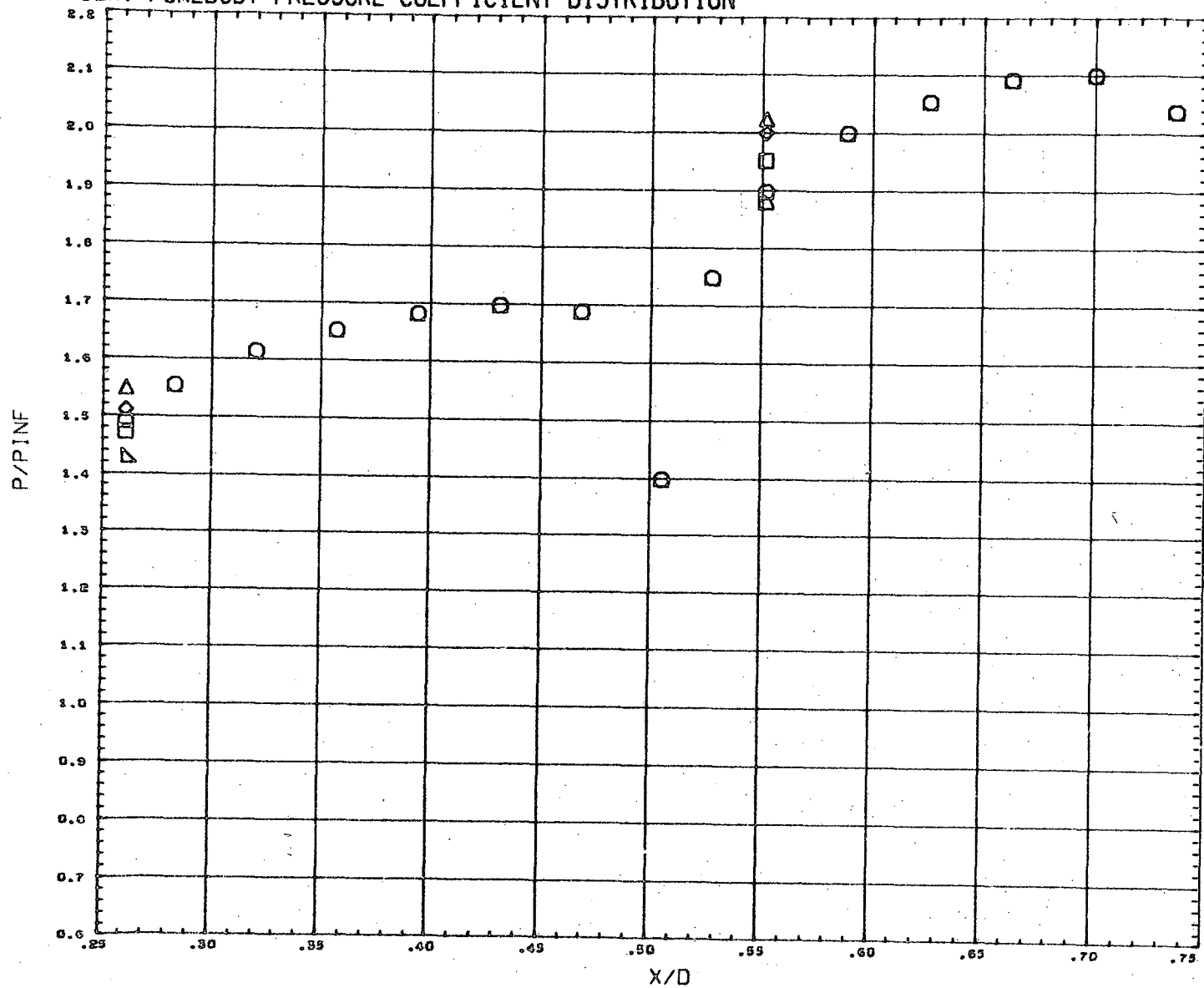
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
△	100.000	402.407	1.100	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
◇	101.000									PC 402.996 WS/WPC 0.000
□	120.000									
◇	140.000									
△	160.000									
◇	180.000									

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

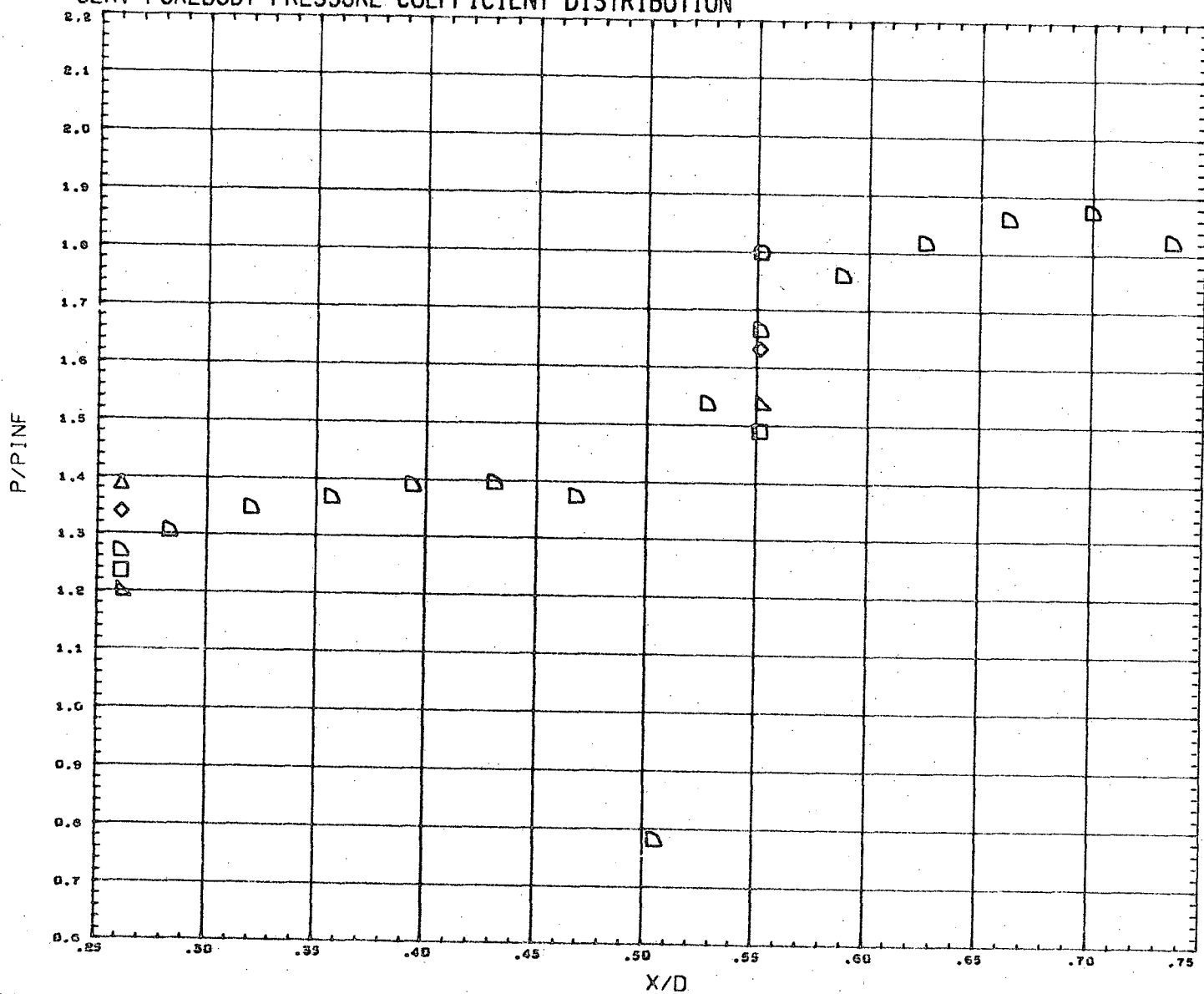
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES		
○	0.000	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	58.100	1.476	0.000	402.996	ALPHA	8.022	0.000
△	20.000													WS/WPC		
◇	40.000															
◻	60.000															
◼	70.000															
◽	80.000	0.0000000000000000														

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES
100.000	400.737	1.253	LREF	27.000	INCHES	0.000	ALPHA	8.022
101.000			BREF	27.000	INCHES	402.996	WS/WFC	0.000
120.000			XMRP	0.000	DIAMTR			
140.000			YMRP	0.000	DIAMTR			
160.000			ZMRP	0.000	DIAMTR			
180.000								

08708868.FECBE

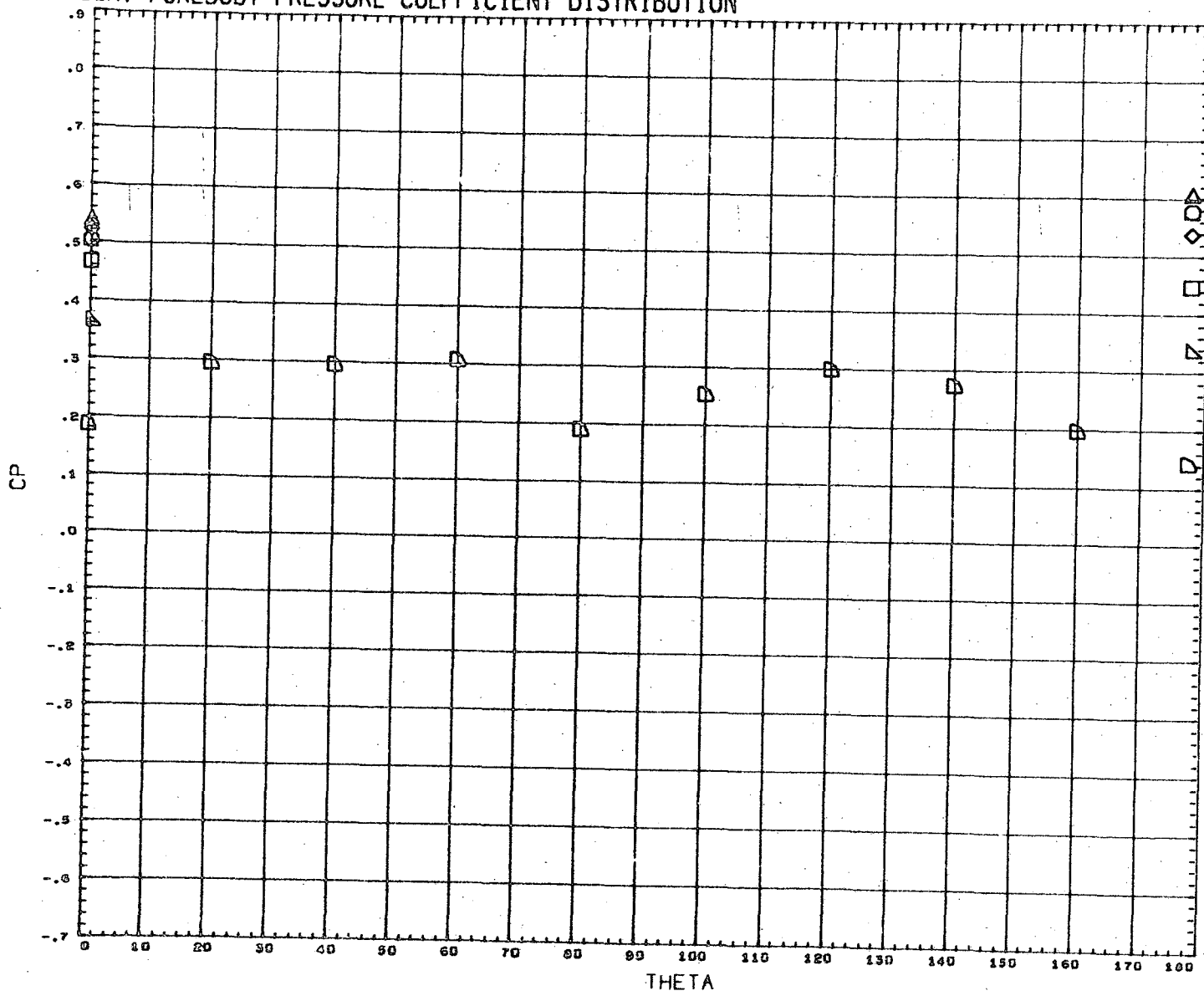
CCSD TN-AP-70-449

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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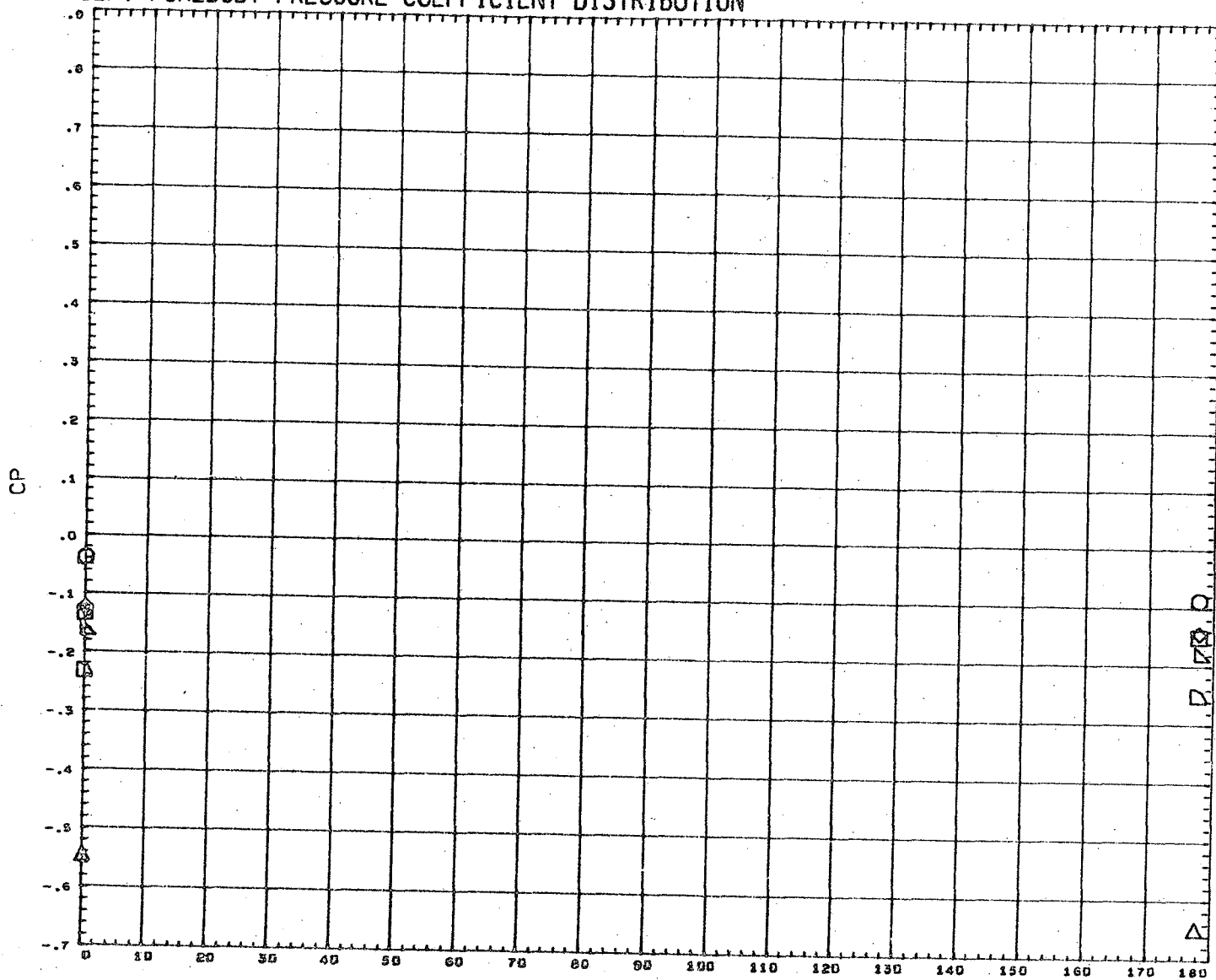
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	PARAMETRIC VALUES
○	0.736	201.700	0.600	572.557	59. IN.	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.699			27.000	INCHES	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	0.662									
□	0.625									
◇	0.588									
◇	0.551	0.870888.F008E	CCSD TN-AP-70-448							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



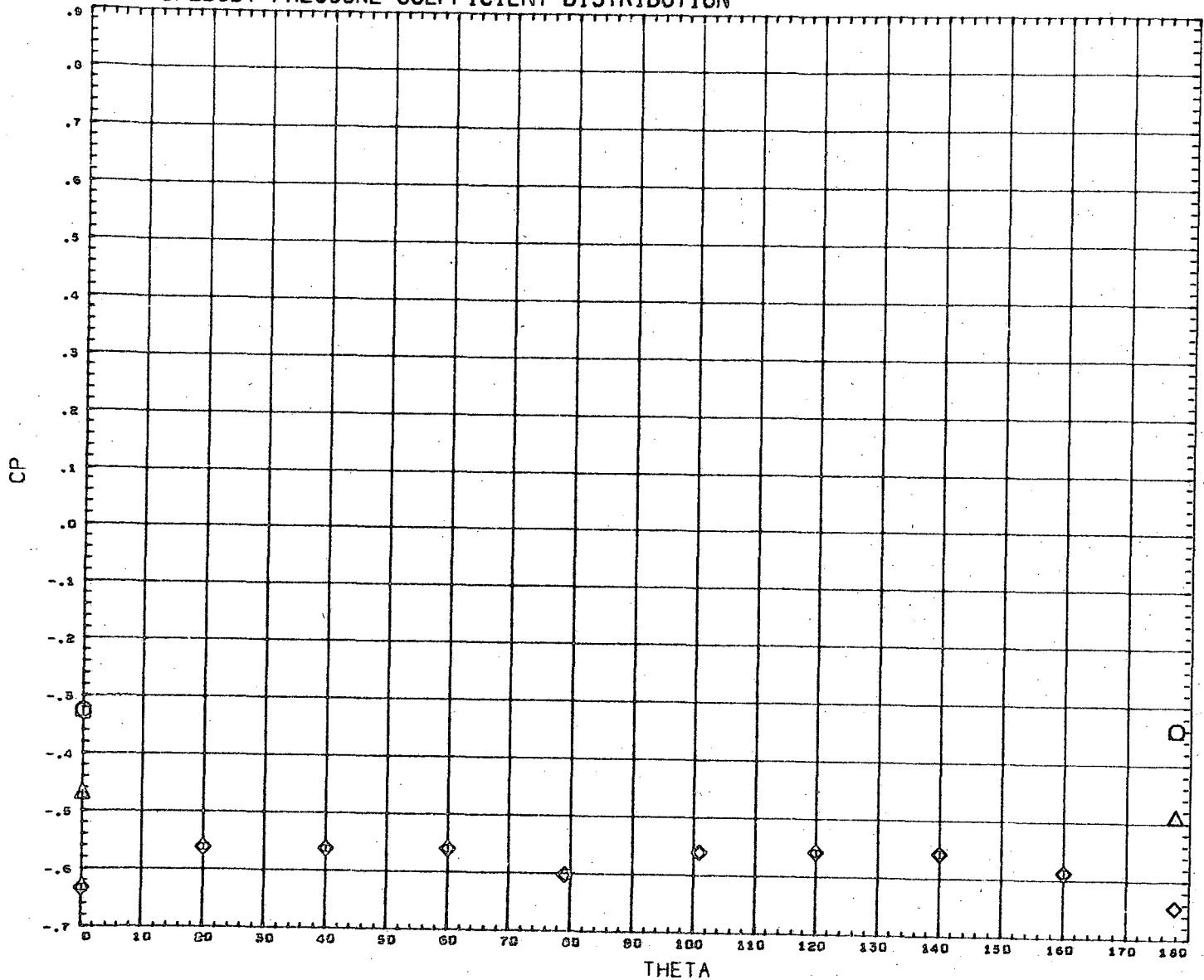
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.505			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WPC 0.000
◇	0.460									
◊	0.431									
◻	0.394									
◼	0.357	BS#BR606X.FE08E	CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



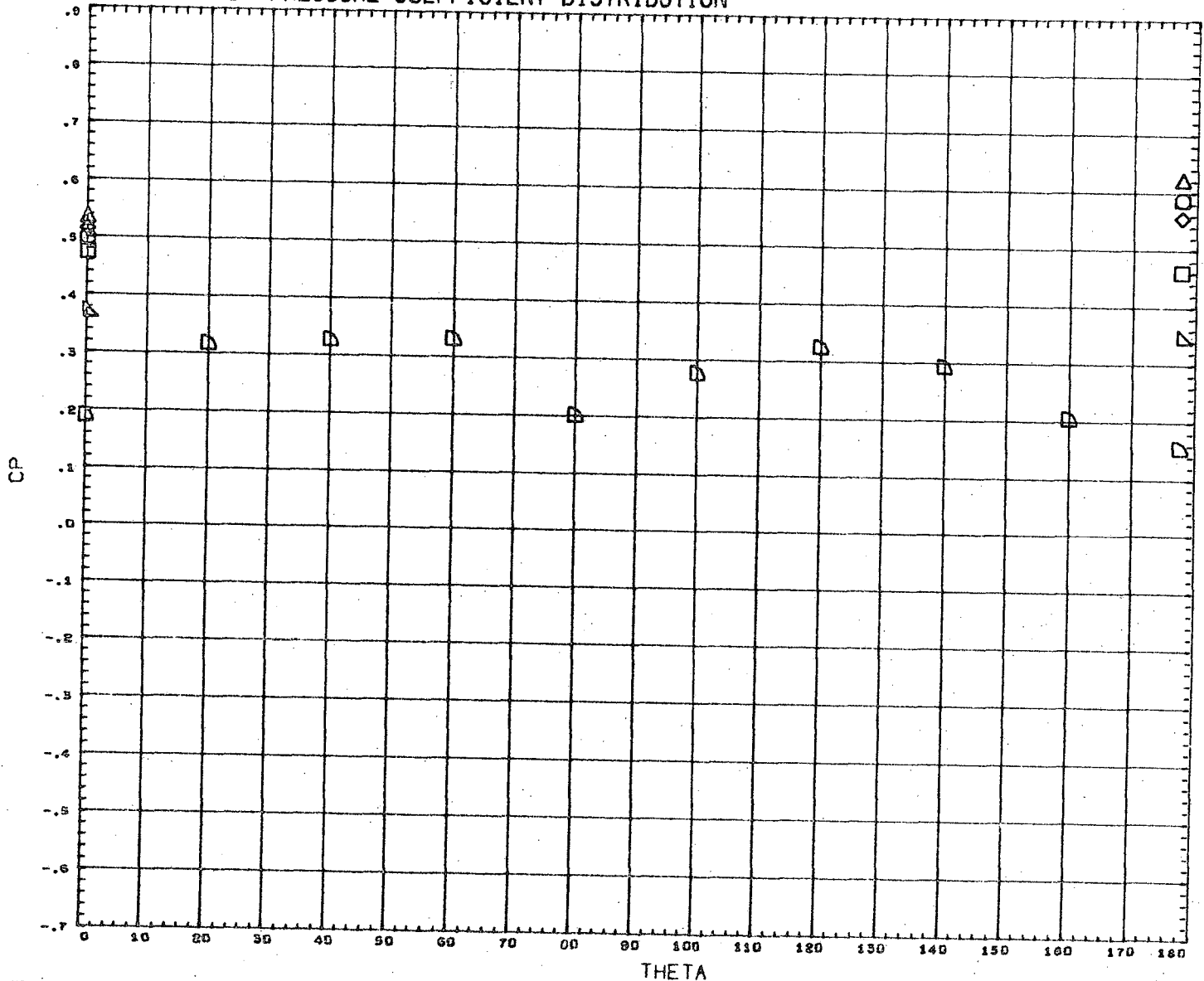
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	
○	0.320	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	
△	0.282																				
◇	0.260																				

00000000.F000E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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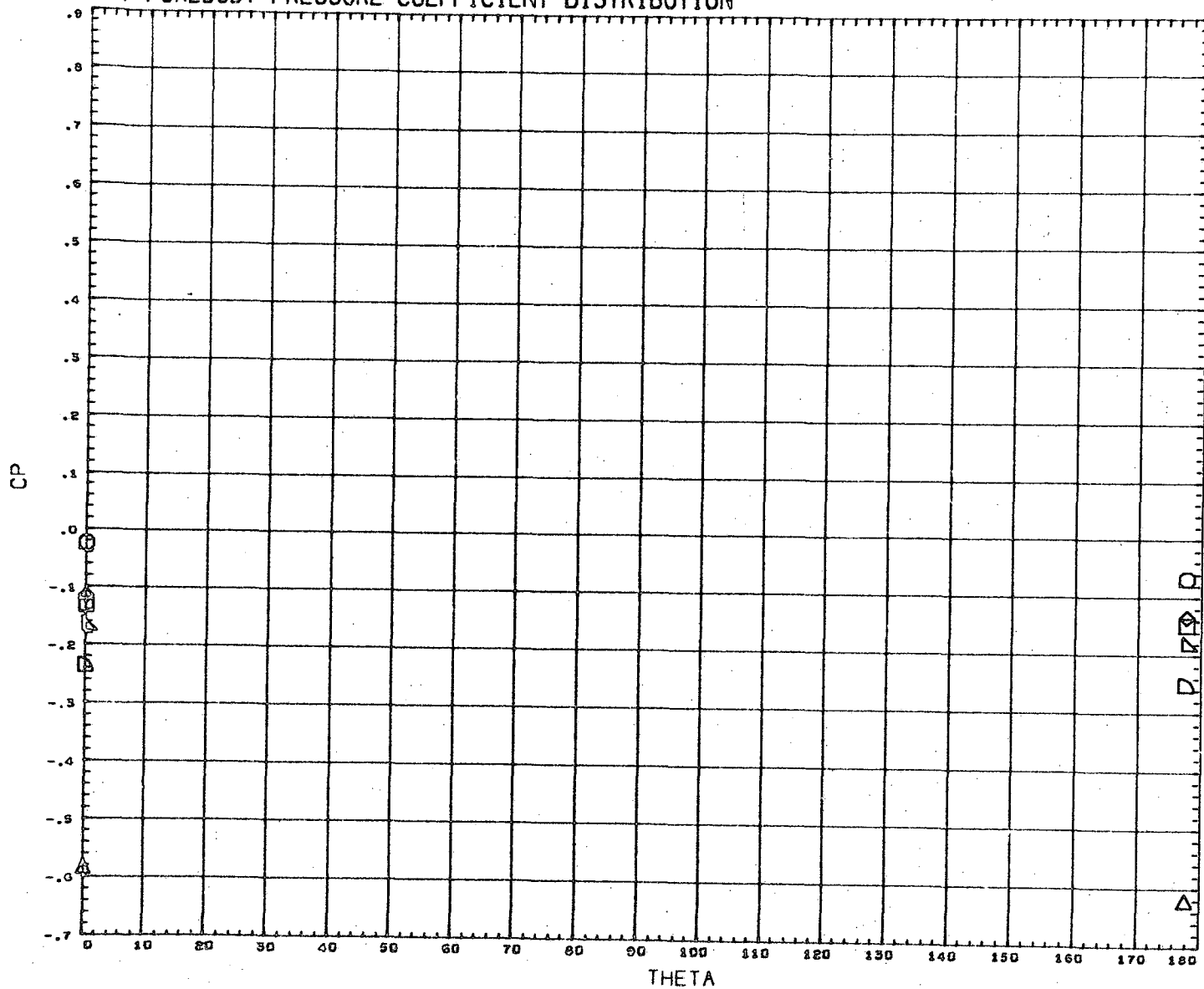
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
□	0.736	401.290	0.598	LREF	27.000	INCHES	PC	0.000	ALPHA
◇	0.699			BREF	27.500	INCHES		404.679	WS/WPC
△	0.662			XMRP	0.000	DIAMTR			0.004
▽	0.625			YMRP	0.000	DIAMTR			0.000
□	0.588			ZMRP	0.000	DIAMTR			
◇	0.551	0.570808.FECEE	CCSD TN-AP-70-449						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

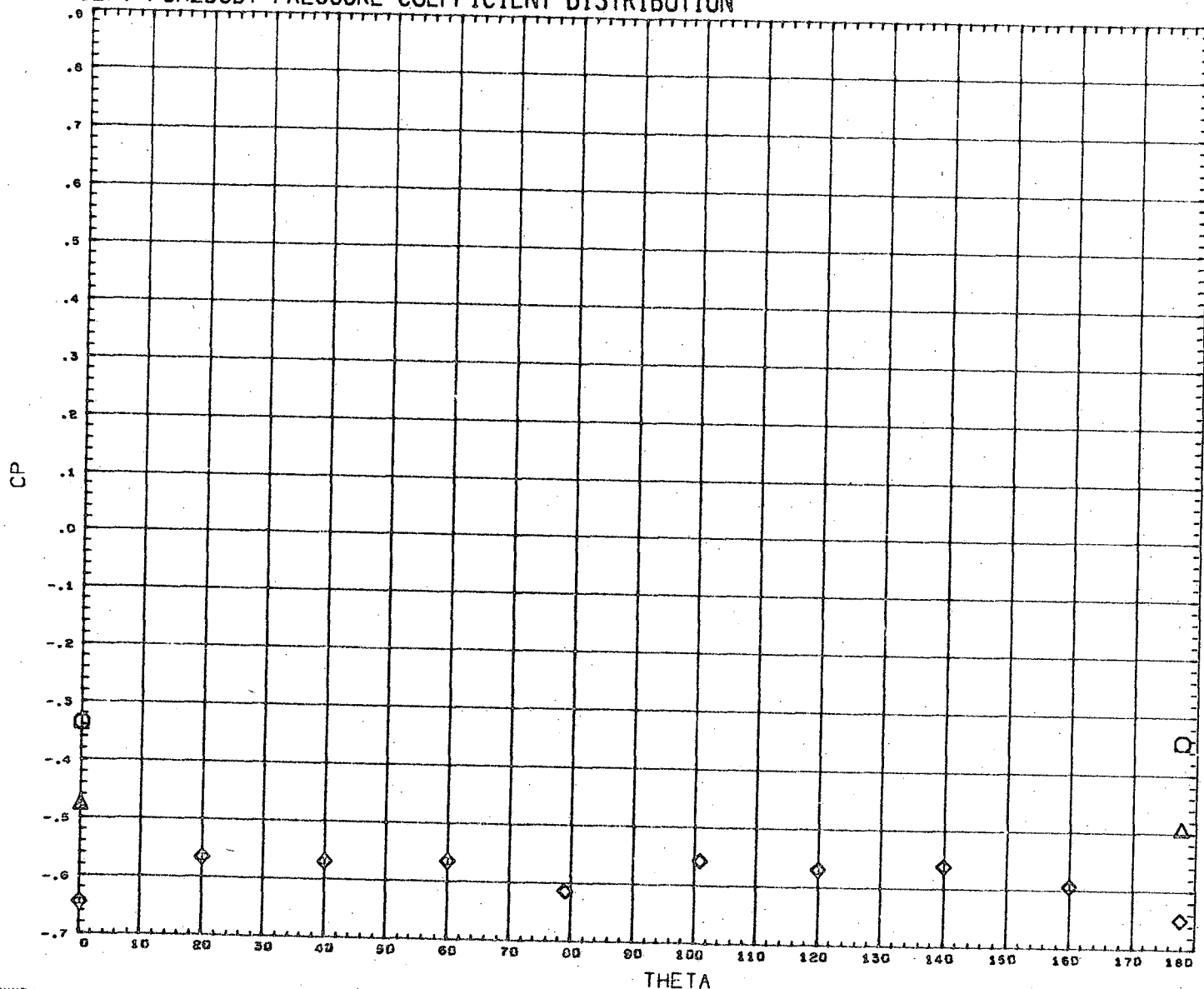
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	50.IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	0.527	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	50.000	INCHES	0.000	0.000	0.004	0.004	0.000
△	0.505															
◇	0.468															
□	0.431															
▽	0.394															
◇	0.357	0.0788061.FECLSE	CCOD TW-AP-70-449													

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



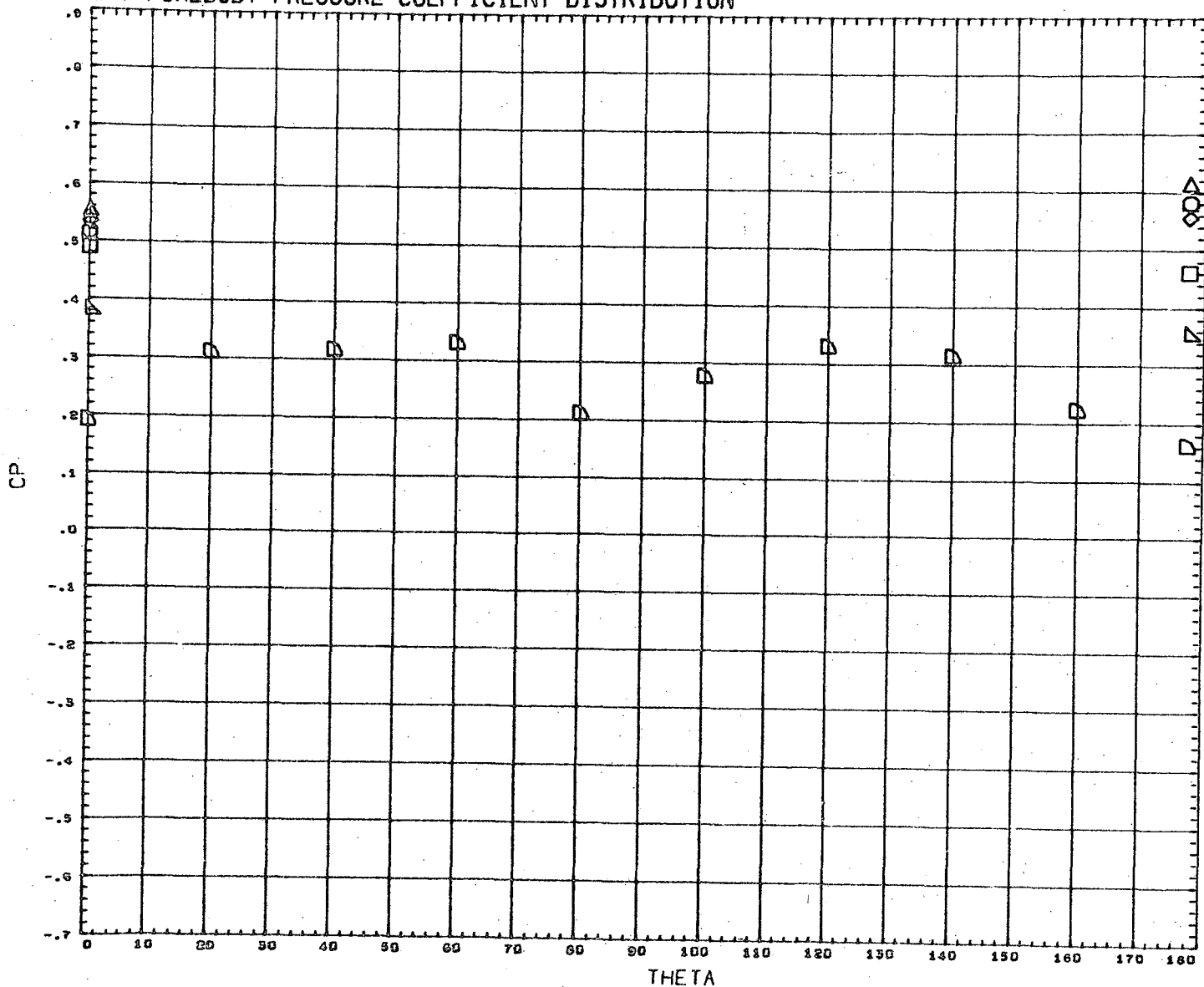
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.320	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.262			50.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	0.260			50.000	27.000	27.000	0.000	0.000	0.000	

00500000.F0000 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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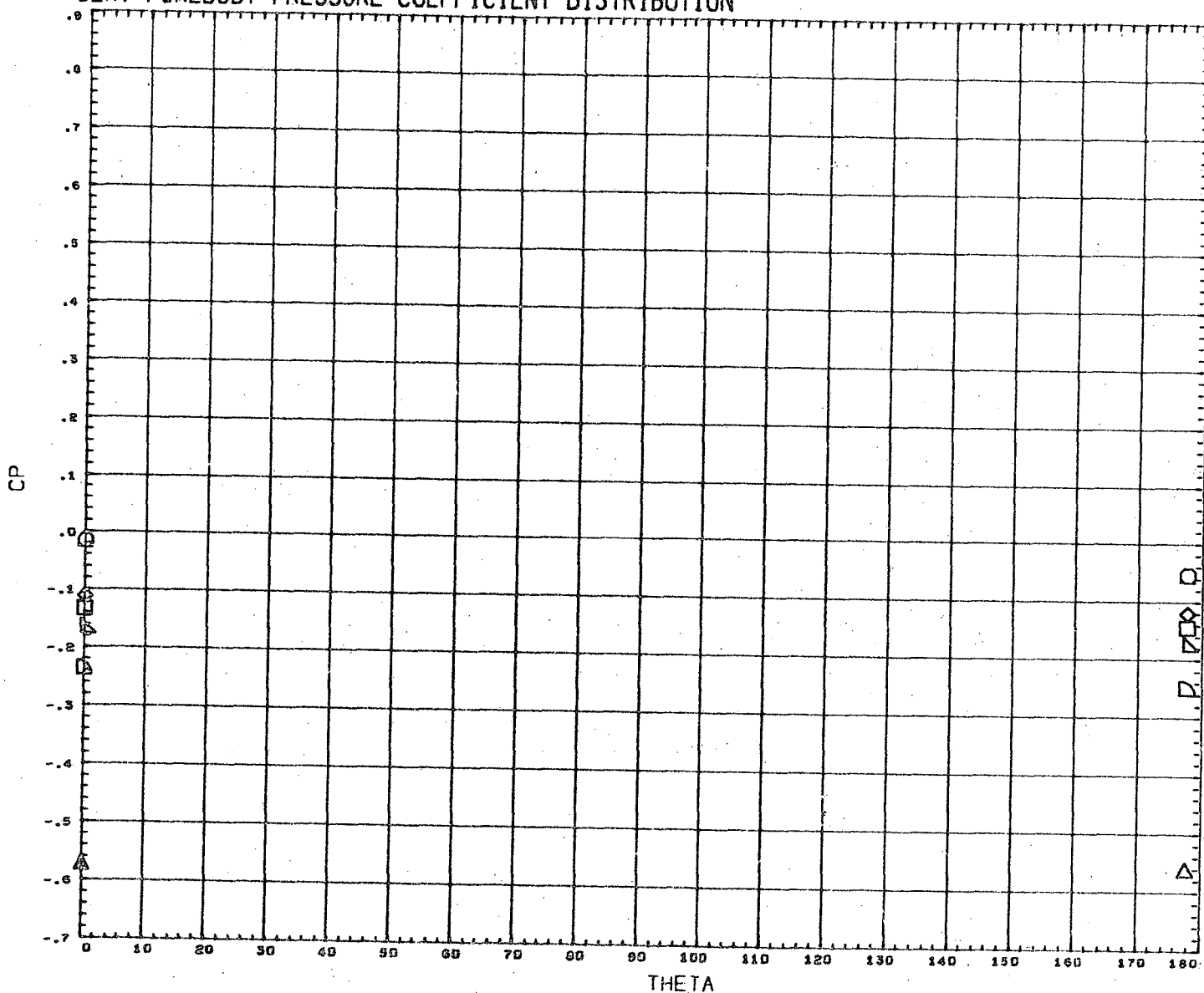
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/C	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	0.736	578.883	0.598	LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
△	0.699			BREF	27.000	INCHES				
◇	0.662			XMRP	0.000	DIAMTR				
◊	0.625			YMRP	0.000	DIAMTR				
◡	0.588			ZMRP	0.000	DIAMTR				
◢	0.551	DIFFERENTIAL FORCE	CC80	TN-AP-70-443						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

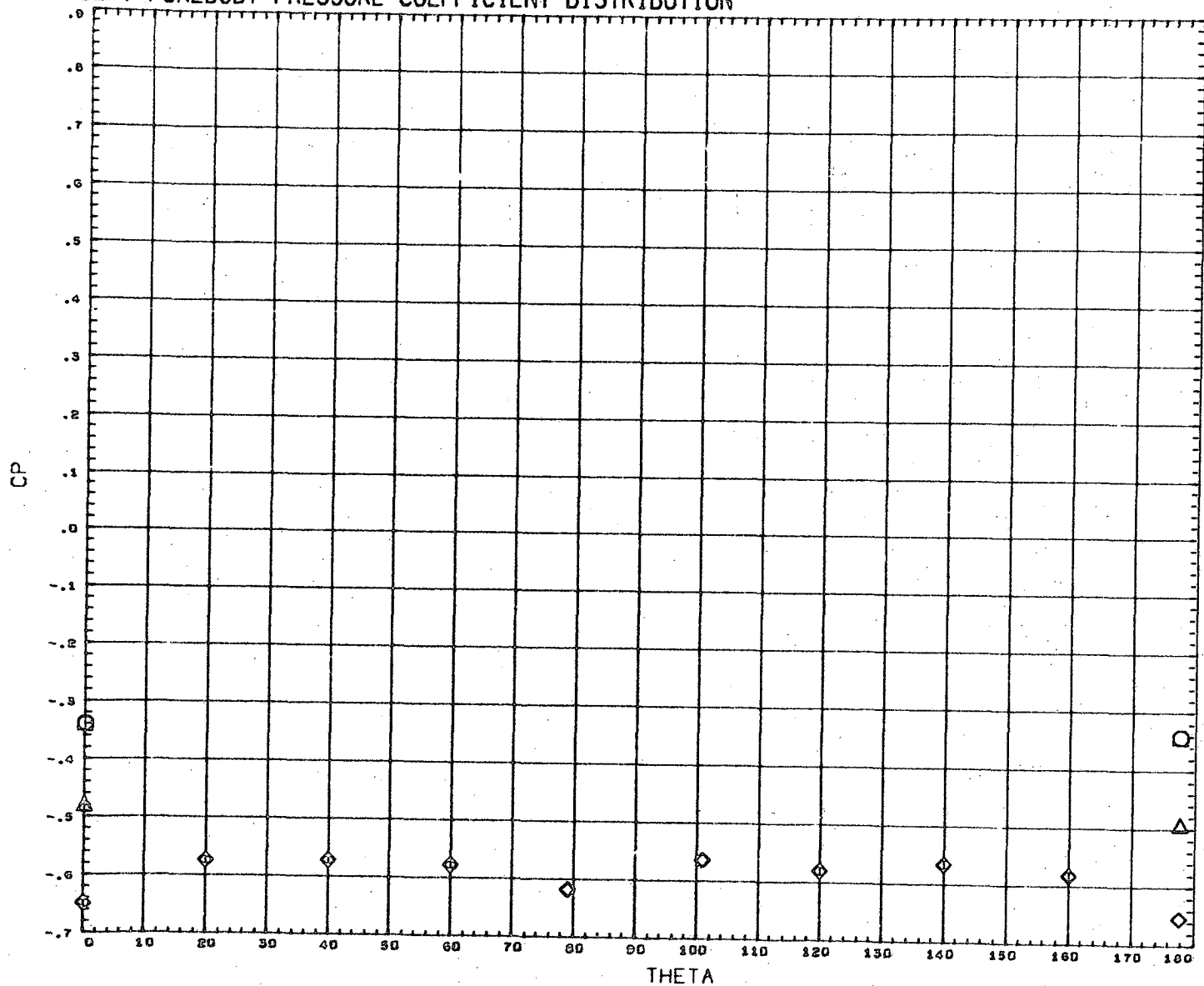


SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
○	0.527	578.883	0.598	LREF	27.000	INCHES	FC	0.000	ALPHA 0.004
◇	0.505			BREF	27.000	INCHES		404.679	WS/WFC 0.000
△	0.468			XMRP	0.000	DIAMTR			
□	0.431			YMRP	0.000	DIAMTR			
▽	0.394			ZMRP	0.000	DIAMTR			
◇	0.357								

DATA REDUCED FROM CCSD TM-AP-70-449

AERO TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



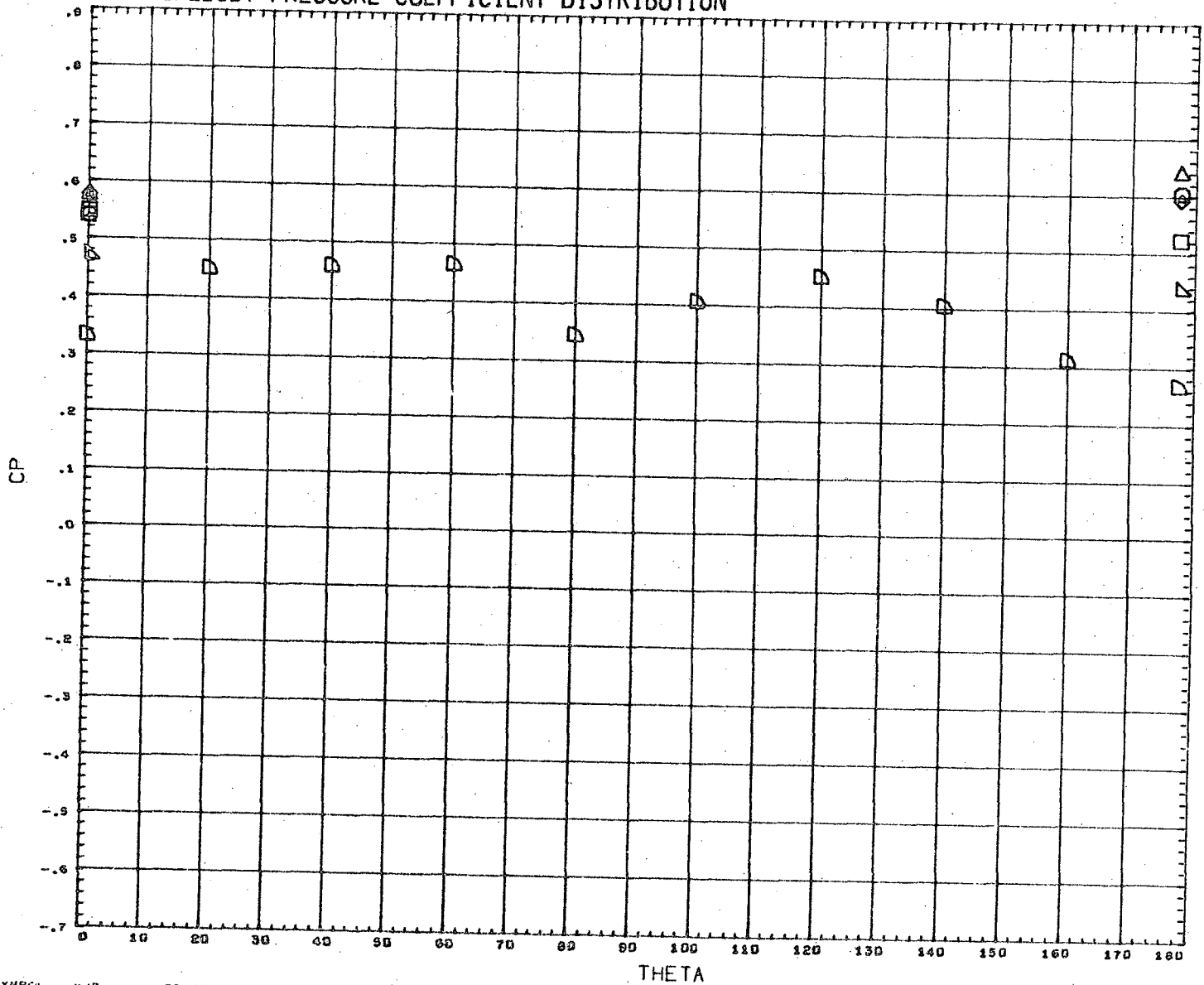
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.320	576.683	0.598	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.282			50.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000
◇	0.260									

85708050.FG02E CC60 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



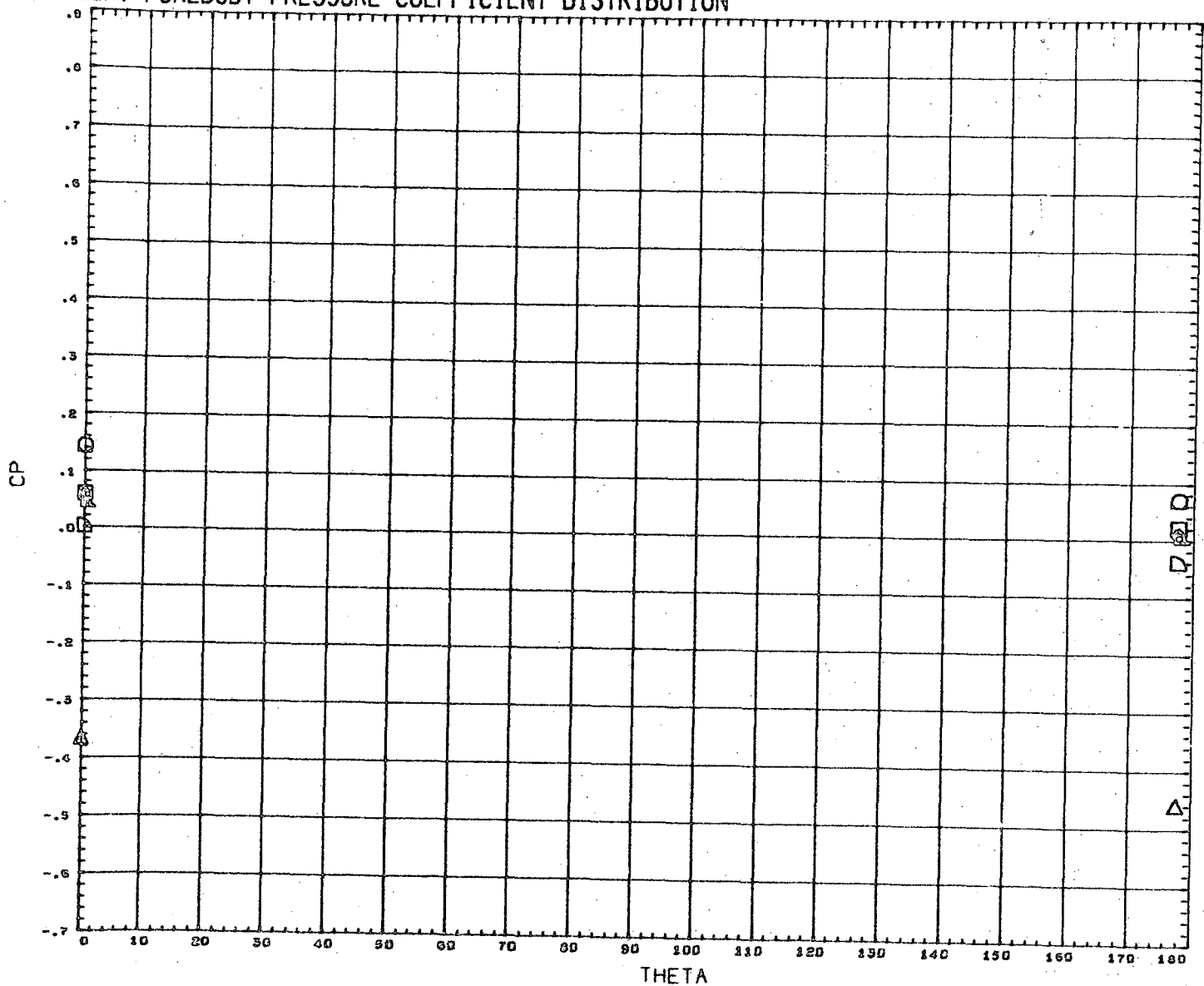
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SR.IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.736	302.353	0.801	572.557	27.000	27.000	0.000	0.000	0.000	59.000	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.000	0.000	0.000	0.000	0.000
◇	0.699																				
◇	0.662																				
◇	0.625																				
◇	0.588																				
◇	0.551	0.000000.FC00E																			

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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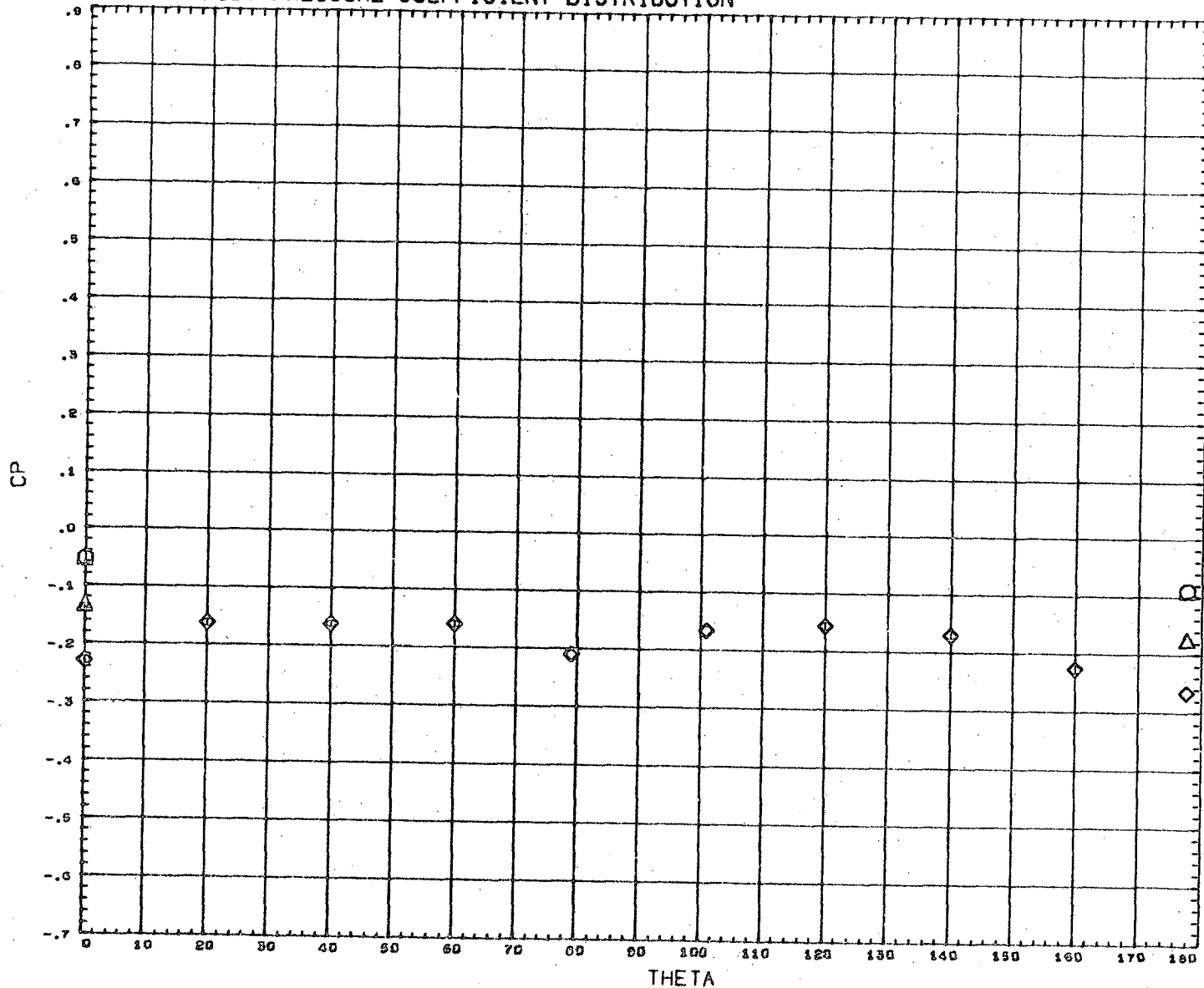
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.527	362.353	0.801	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
◇	0.505																			
△	0.468																			
▽	0.431																			
□	0.394																			
◇	0.357	0070836E.F602E	CC80 TH-AP-78-649																	

AFDD TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



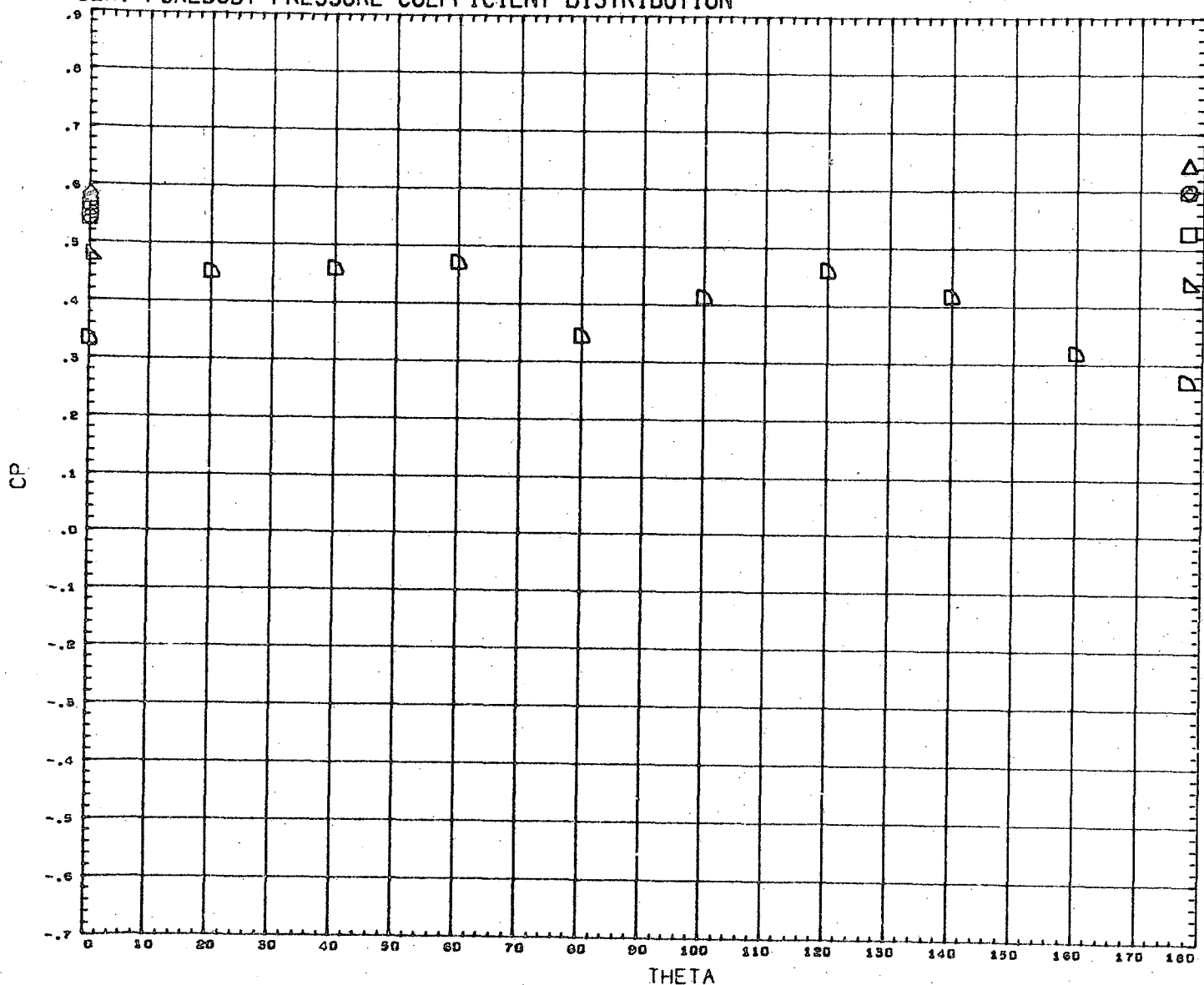
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SR.IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.320	302.353	0.801	572.557	27.000	27.000	0.000	0.000	0.000	58.1N.	INCHES	0.000	404.679	0.000	0.004	0.000	0.000	0.000
△	0.282																	
◇	0.260																	

BS70R0008.FCLSE CCSD TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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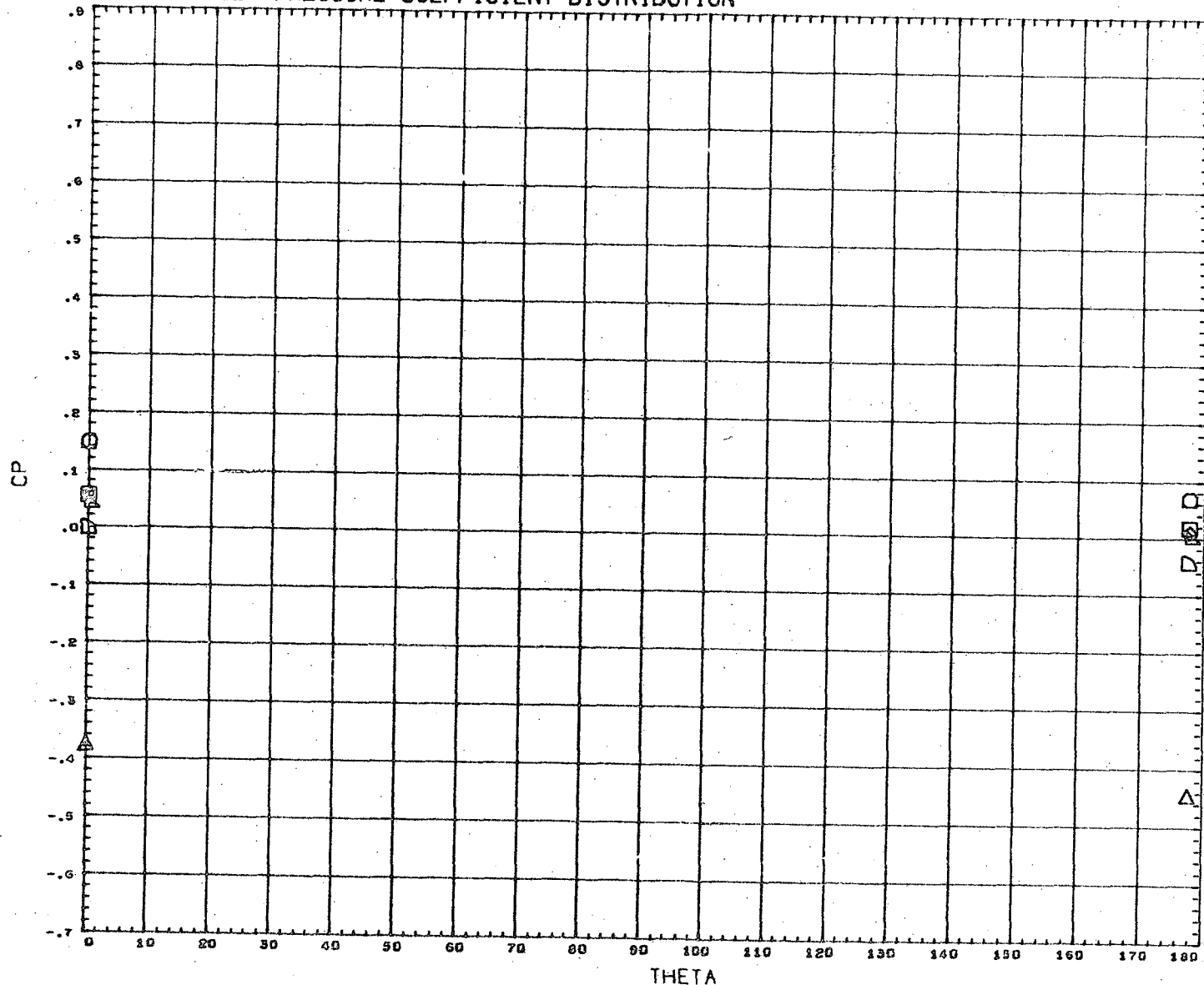
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	400.087	0.798	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.699			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	FC 404.679 WS/WPC 0.000
◇	0.662									
□	0.625									
▽	0.588									
○	0.551	0.5708060.F000E	CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



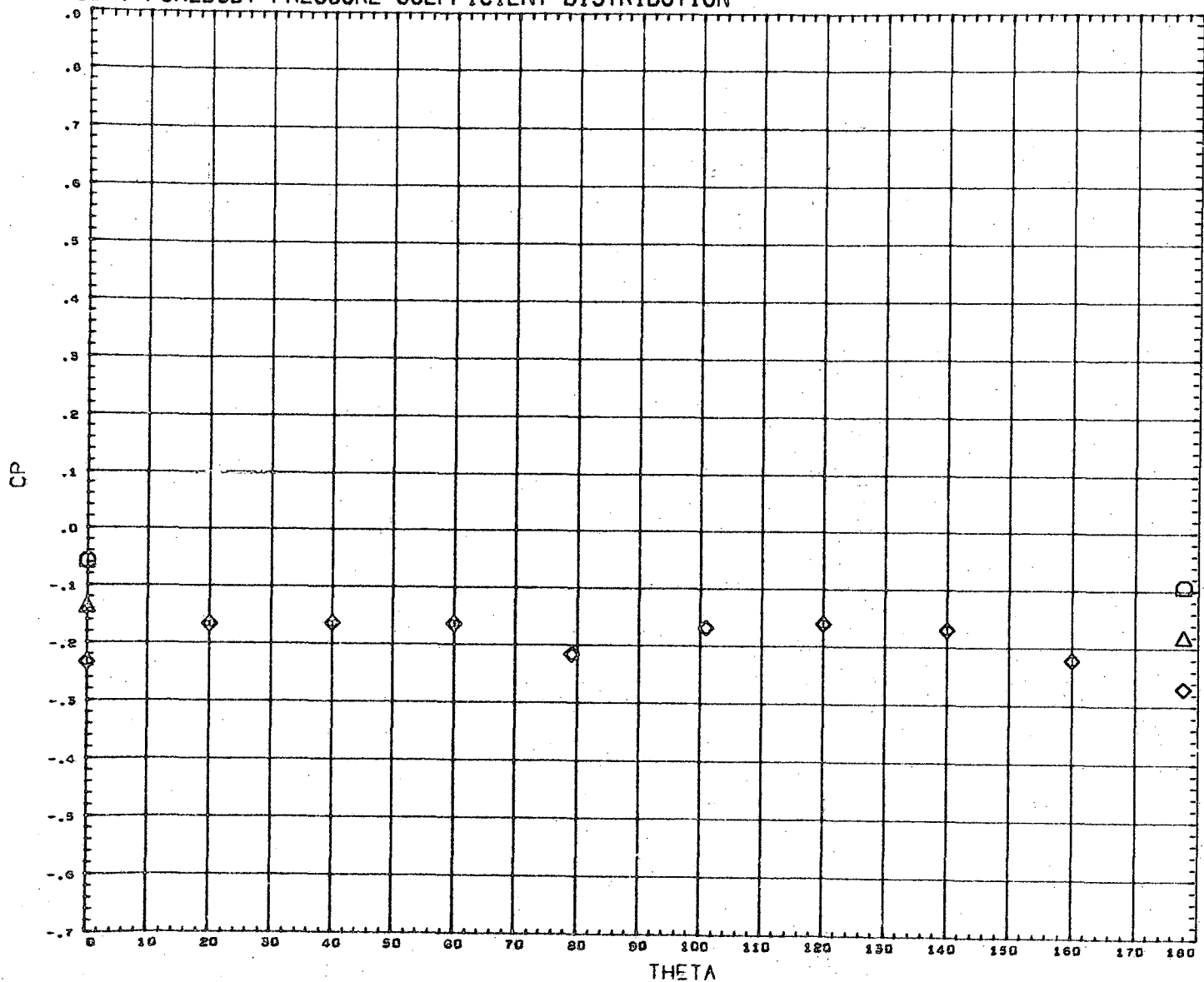
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	INCHES	INCHES	DIAMTR.	DIAMTR.	DIAMTR.	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.527	400.087	0.798	572.557	27.000	27.000	0.000	0.000	0.000	58.000	INCHES	INCHES	DIAMTR.	DIAMTR.	DIAMTR.	0.000	404.679	0.004	0.004	0.000
◇	0.505																			
◊	0.468																			
◻	0.431																			
◼	0.394																			
◽	0.357																			

DATA SOURCE: FICOE CCOD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



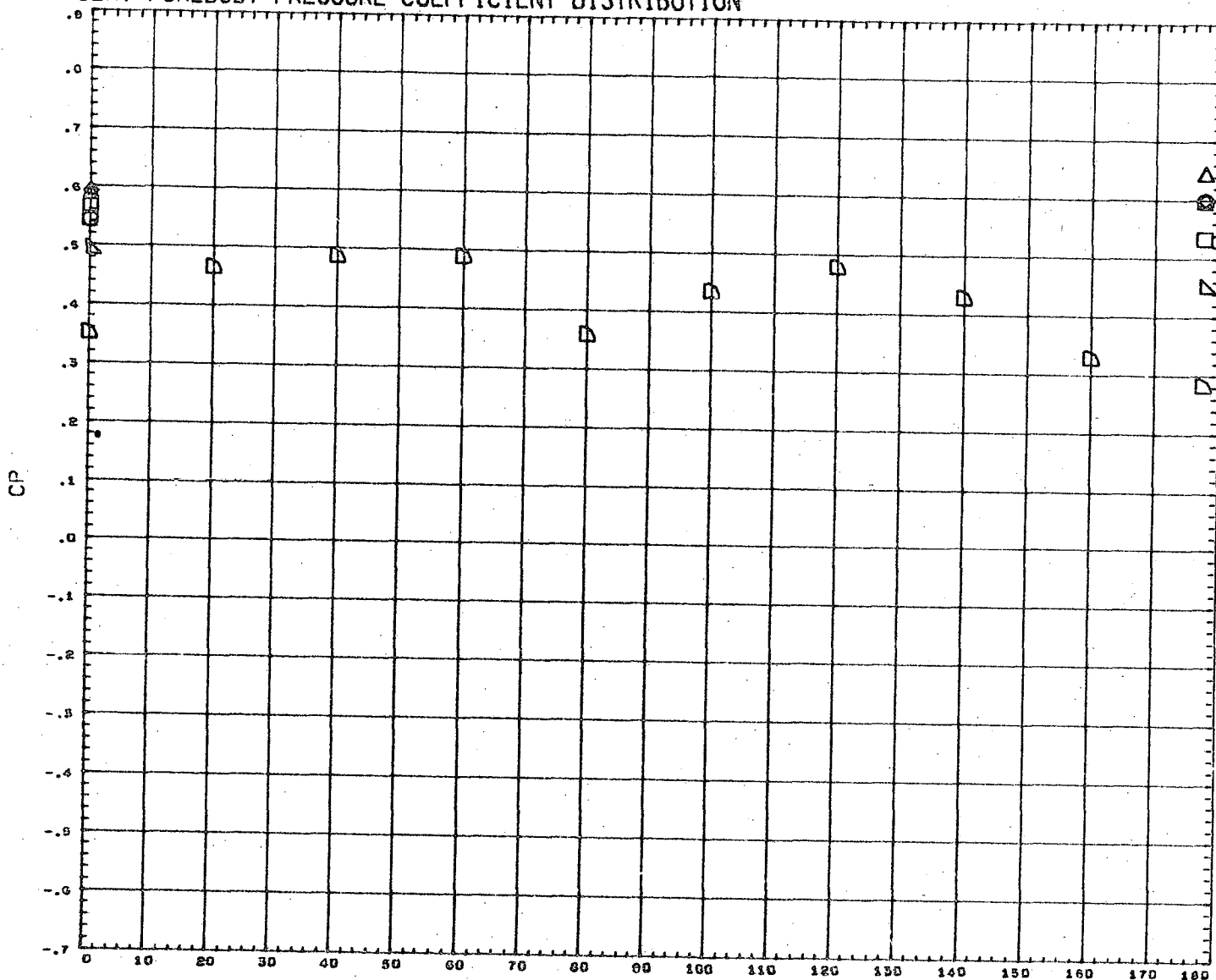
SYMBOL	X/D	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	0.320	400.987	0.798	LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
△	0.262			BREF	27.000	INCHES				
◇	0.260			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DS70F886E.F066E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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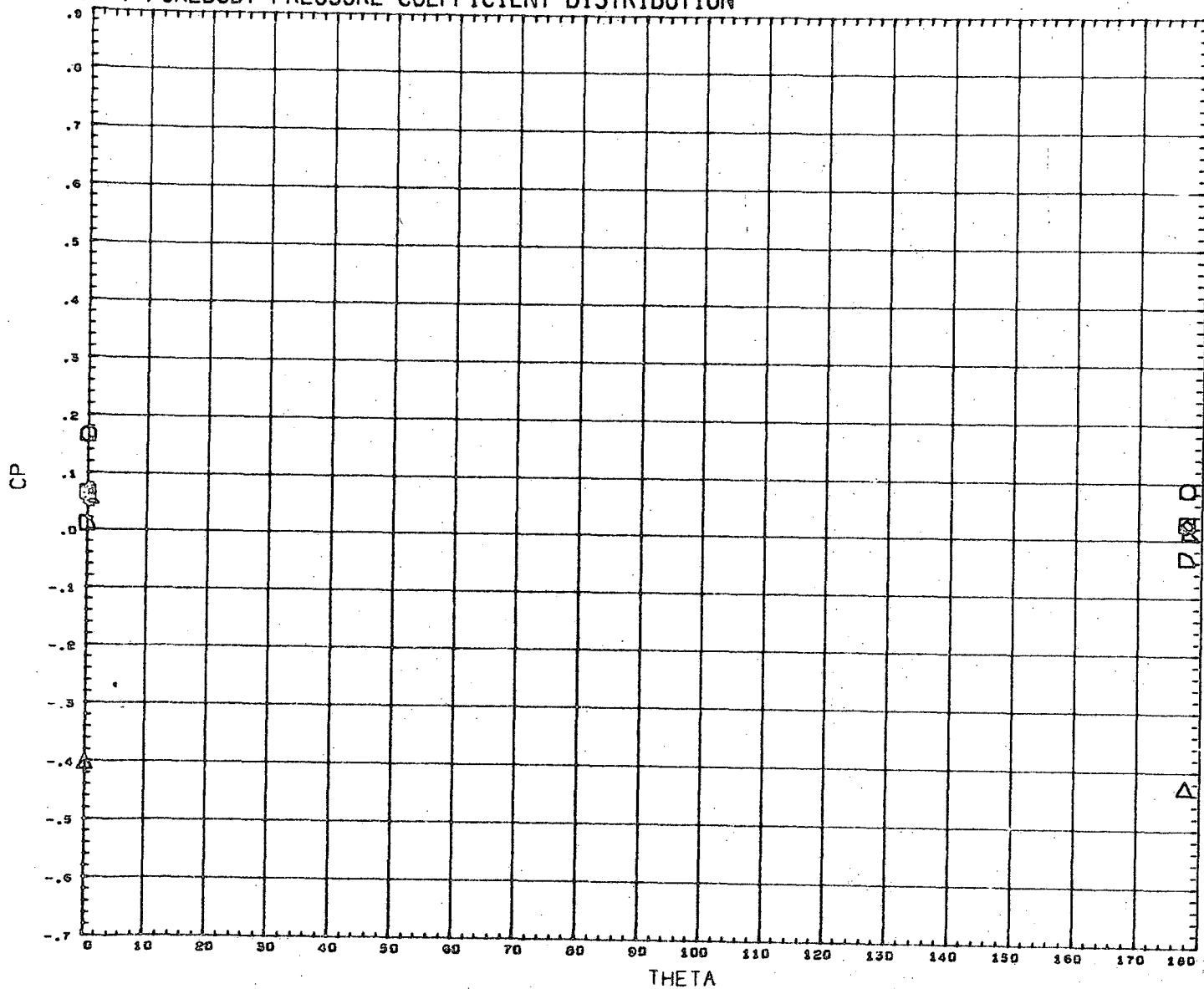
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WPC 0.000
◇	0.662									
◇	0.625									
◇	0.588									
◇	0.551									

BB70R0062.FCLSE CC89 TH-AP-70-445

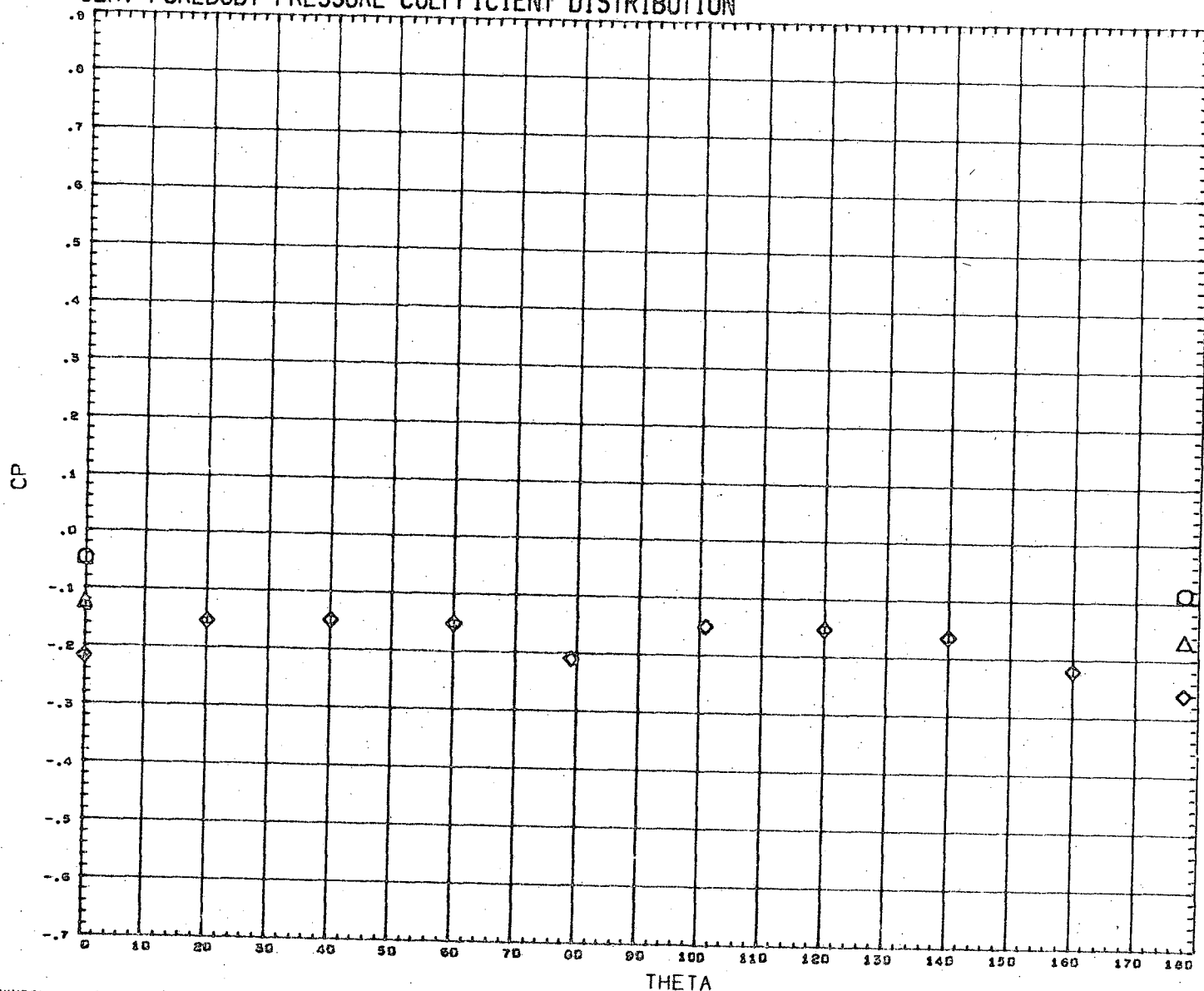
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SRLF	572.557	58. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.527	499.307	0.799	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
◇	0.503			BREF	27.000	INCHES		404.679	WS/WPC 0.000
□	0.468			XMRP	0.000	DIAMTR			
△	0.431			YMRP	0.000	DIAMTR			
▽	0.394			ZMRP	0.000	DIAMTR			
○	0.357	03888888.FCCE CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

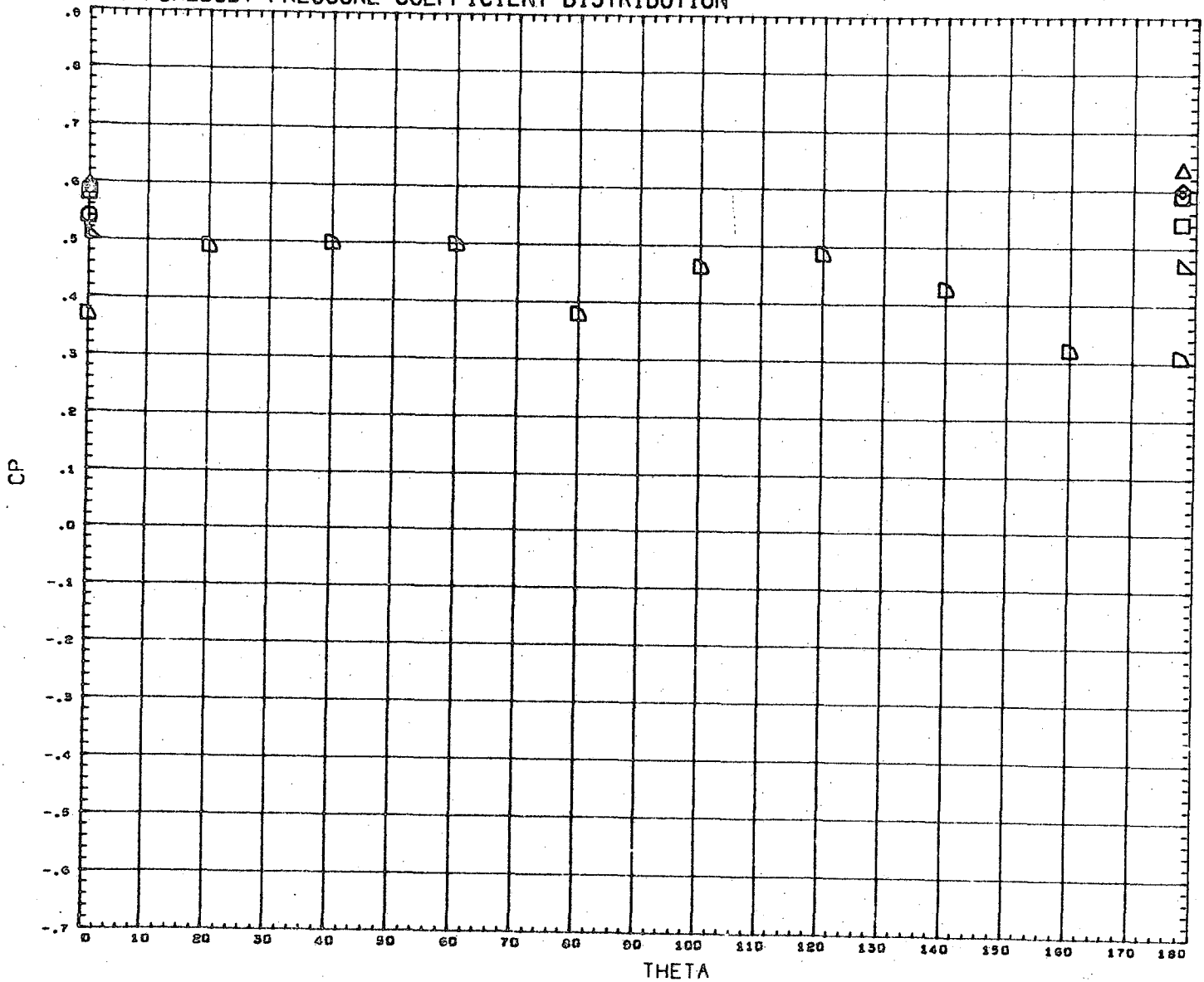


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SR, IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.320	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.000	0.000	0.000	0.000	0.000
△	0.282																					
◇	0.260																					

BAE000008.F602E CC80 TN-AP-70-445

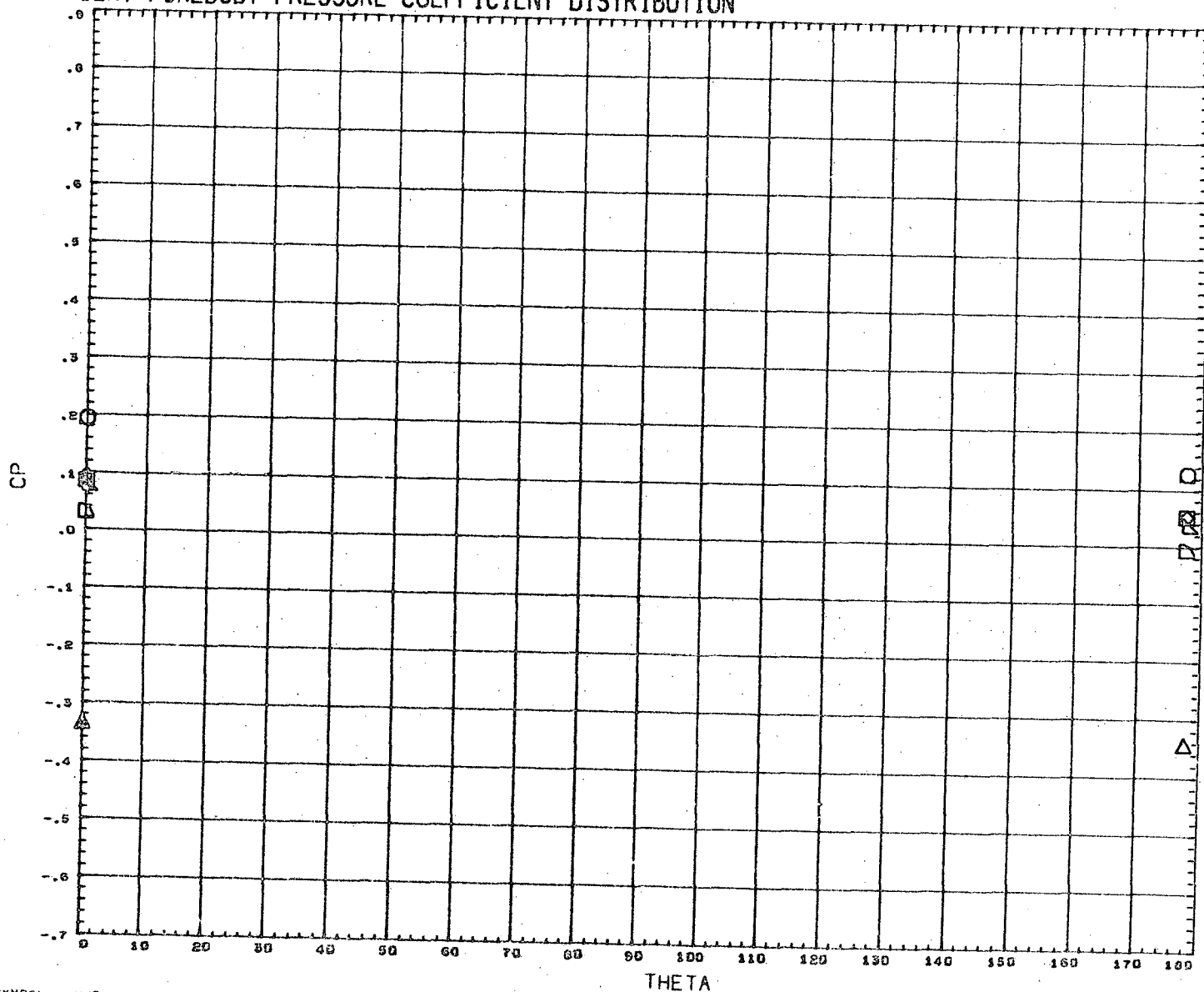
AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	688.862	0.803	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.699			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WPC 0.000
◇	0.662									
◊	0.625									
◈	0.588									
◉	0.551	888.862.F602E	CCSD TN-AP-70-449							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

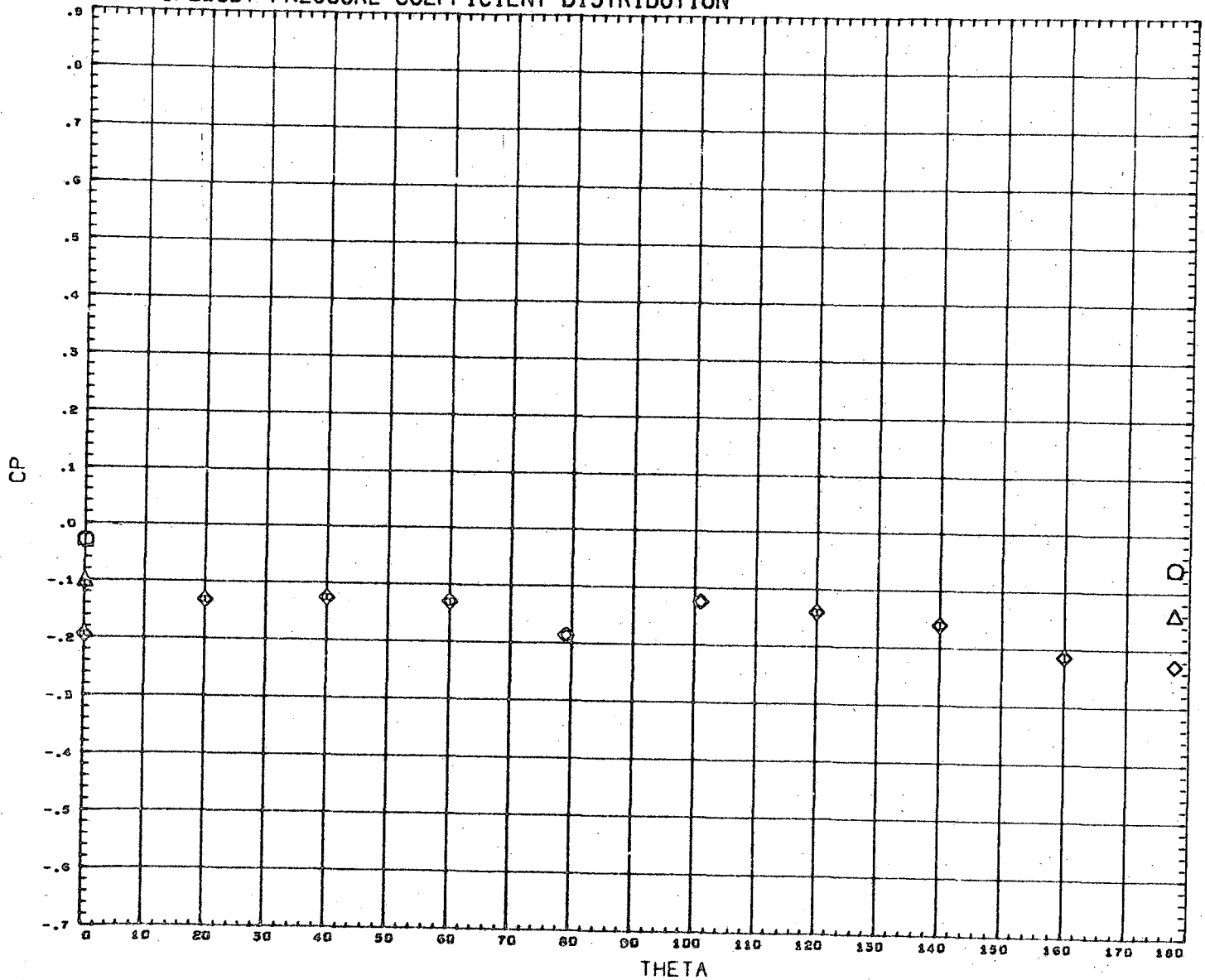


SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	688.802	0.803	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.505			572.557	27.000	27.000	0.000	0.000	0.000	FC 404.679 WS/WPC 0.000
◇	0.468									
□	0.431									
▽	0.394									
◇	0.357									

0858R0053.FE03E CCCD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL X/D PRATIO MACH
 ○ 0.320 688.802 0.803
 △ 0.202
 ◇ 0.260

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

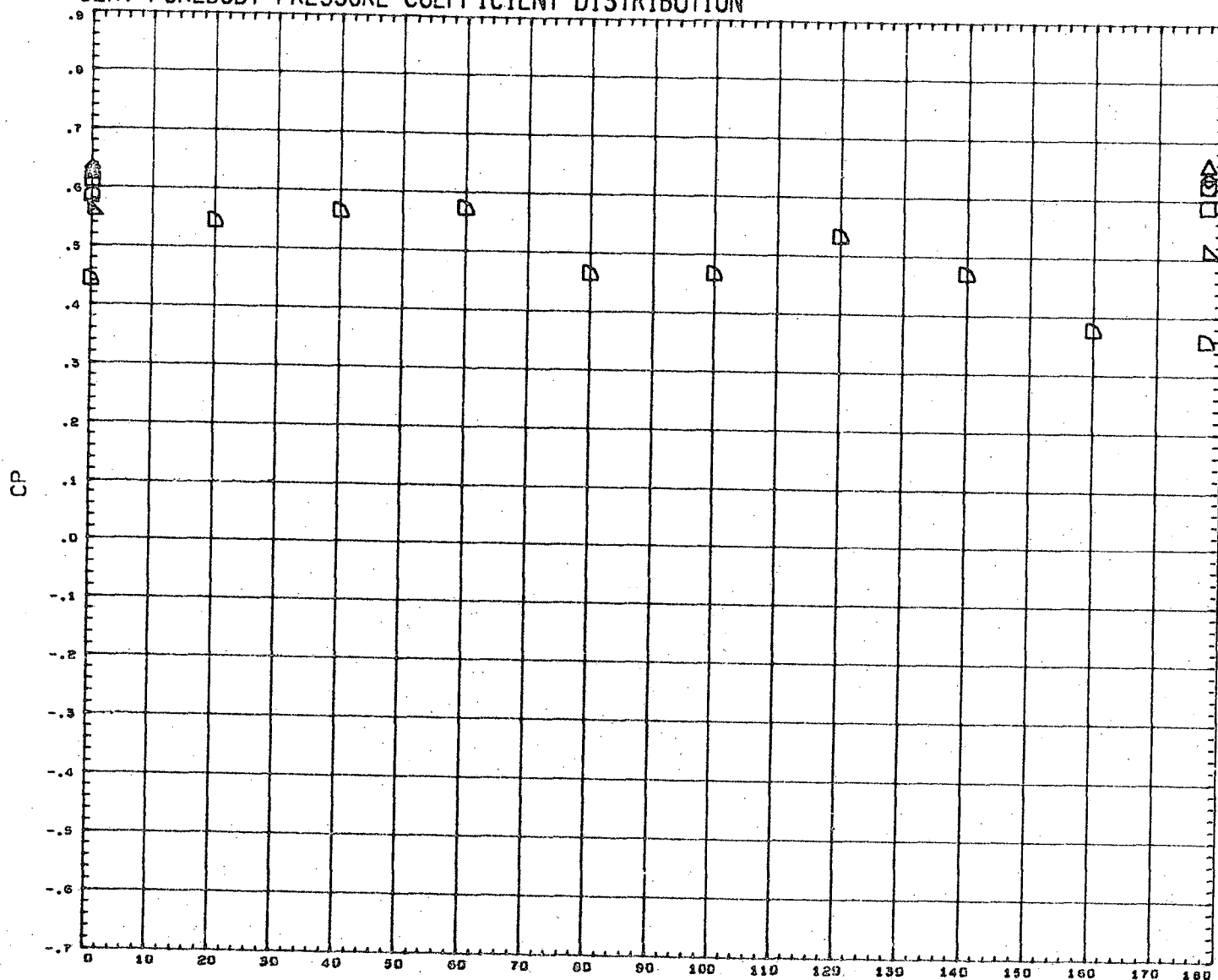
B07089062.FE08E CCSD TN-AP-70-409

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.736	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	0.699																			
◇	0.662																			
□	0.625																			
▽	0.588																			
○	0.551																			

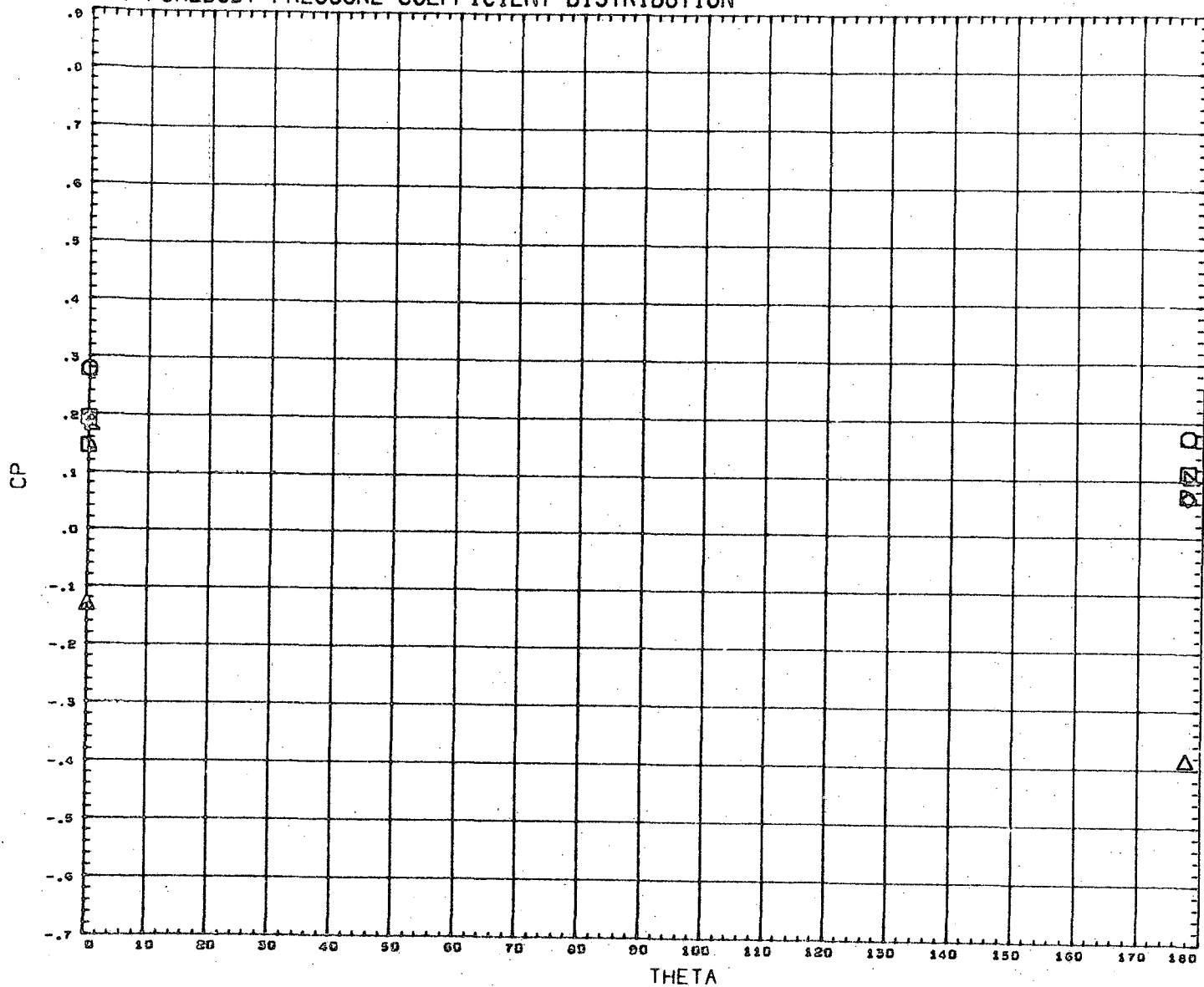
BSVBABBSR.FE02E CCSD TH-AP-76-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

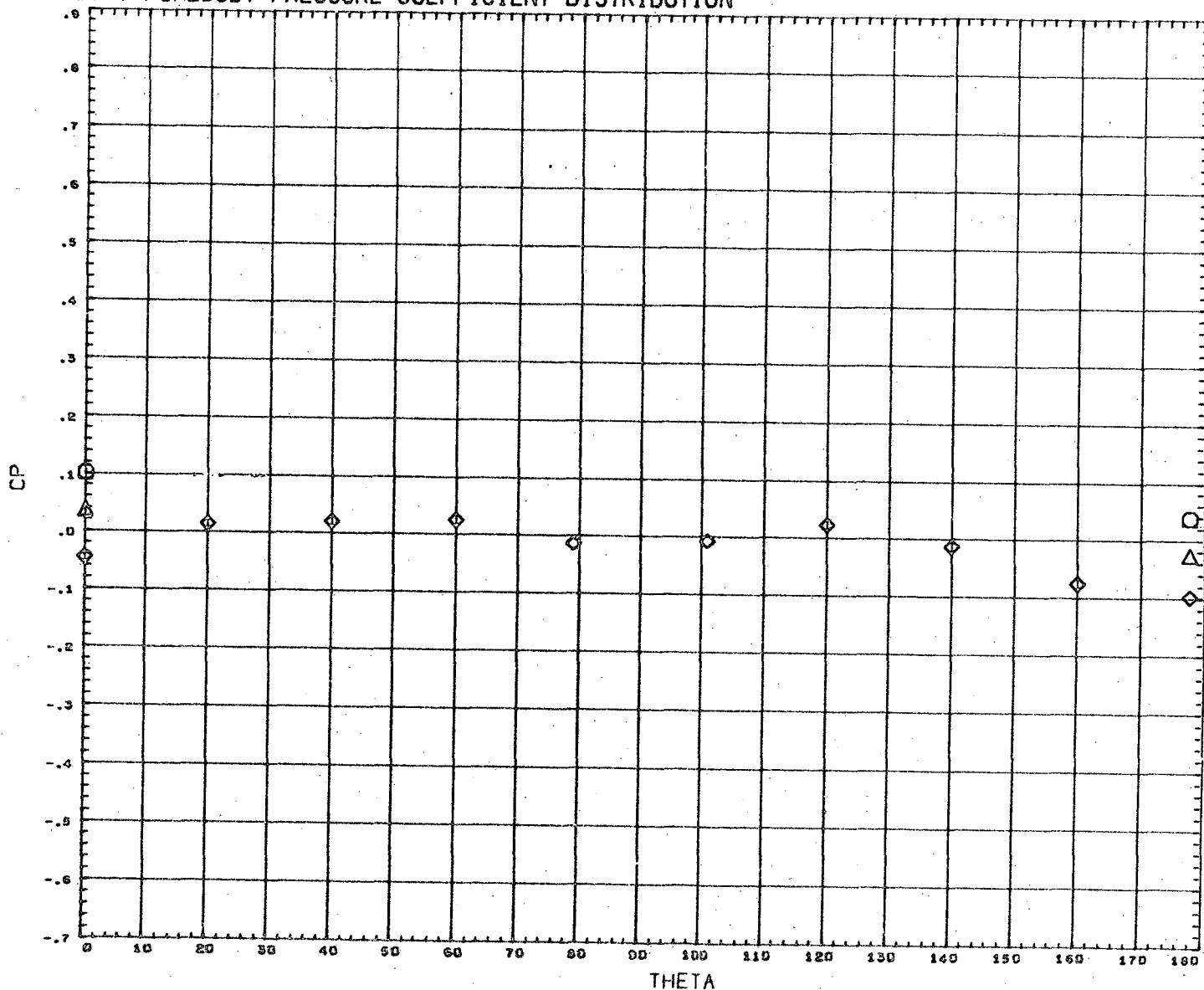


SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.527	306.157	0.905	LREF	27.000	INCHES	0.000	ALPHA	0.004	
△	0.505			BREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	0.468			XMRP	0.000	DIAMTR				
◊	0.431			YMRP	0.000	DIAMTR				
◻	0.394			ZMRP	0.000	DIAMTR				
◼	0.357	DATA BASE FILE	CCSD TH-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



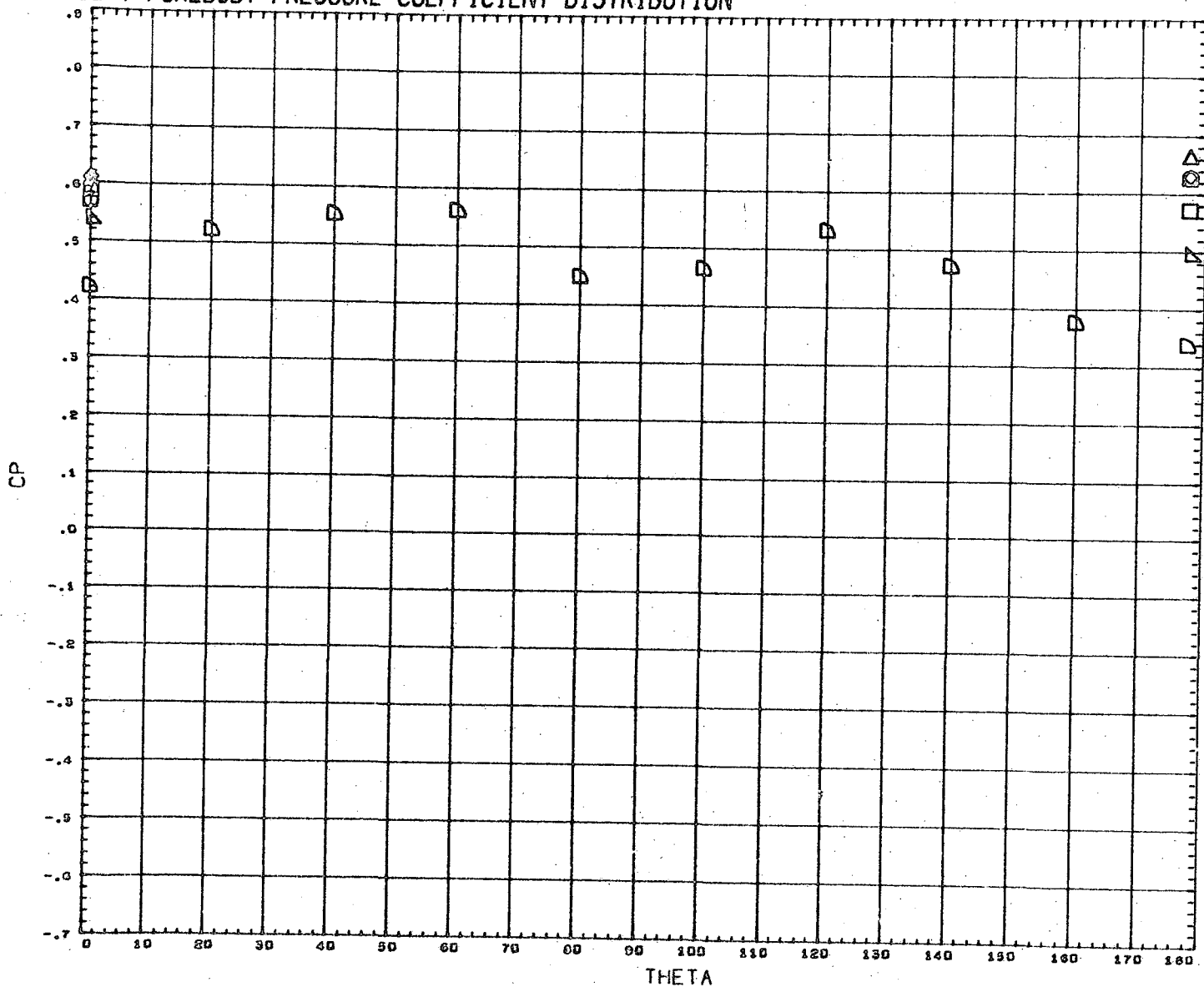
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○	0.320	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR
△	0.282																		
◇	0.260																		

80758062.F002E CC80 TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	399.707	0.900	572.557	27.000	27.000	0.000	0.000	0.000	SG. IN. INCHES INCHES
△	0.699									E/DOOR 0.000 ALPHA 0.004
◇	0.662									PC 404.679 WS/WPC 0.000
□	0.625									
▽	0.588									
◇	0.551									

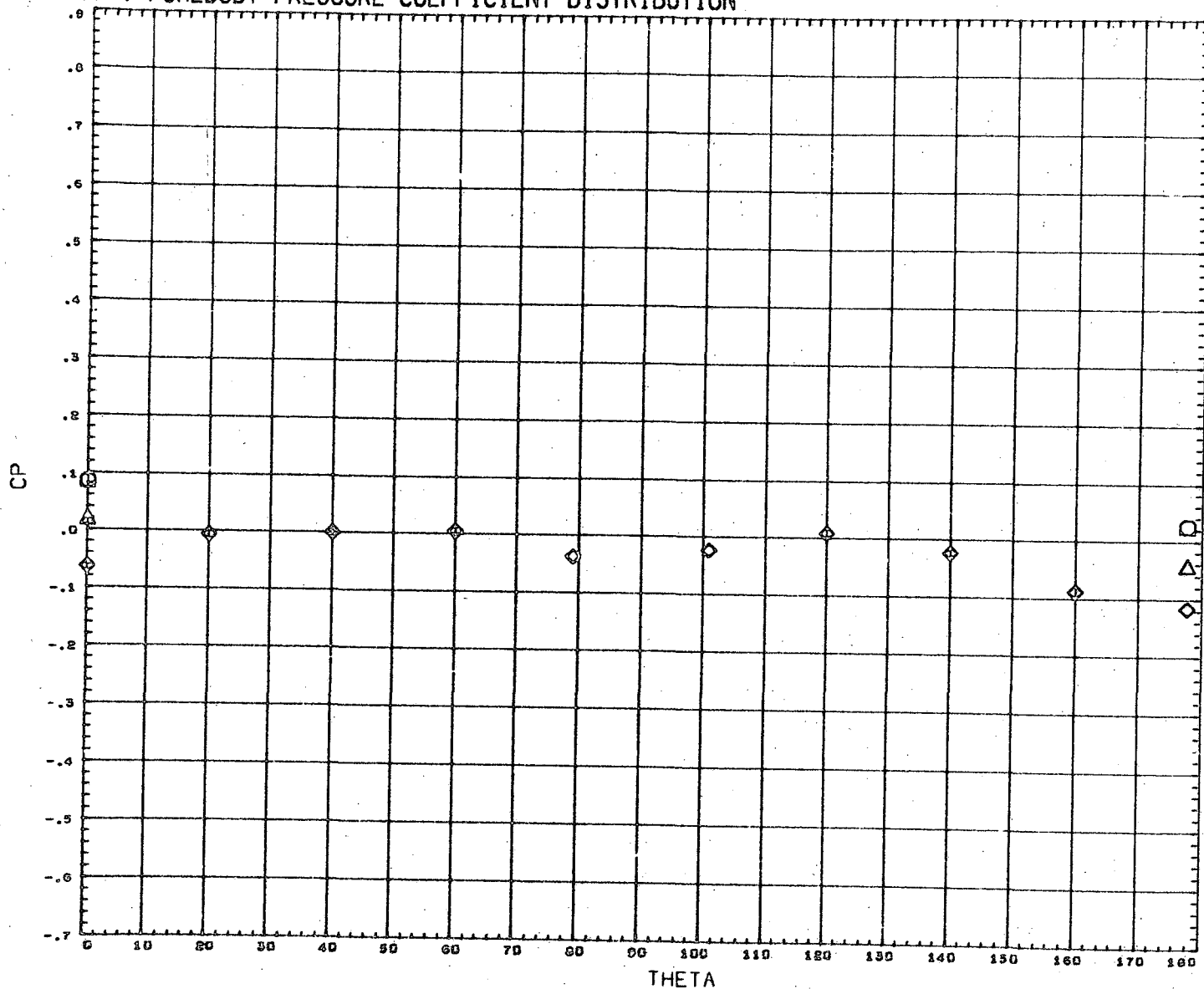
00000000.F000E CCSD TN-AP-70-449

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SYMBOL		X/D	PRATIO	MACH	PARAMETRIC VALUES						
		0.527	399.707	0.900	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
		0.505			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
		0.468			BREF	27.000	INCHES				
		0.431			XMRP	0.000	DIAMTR				
		0.394			YMRP	0.000	DIAMTR				
		0.357			ZMRP	0.000	DIAMTR				
			BASE/ROSE.FECEE	CC80	TN-AP-70-445						

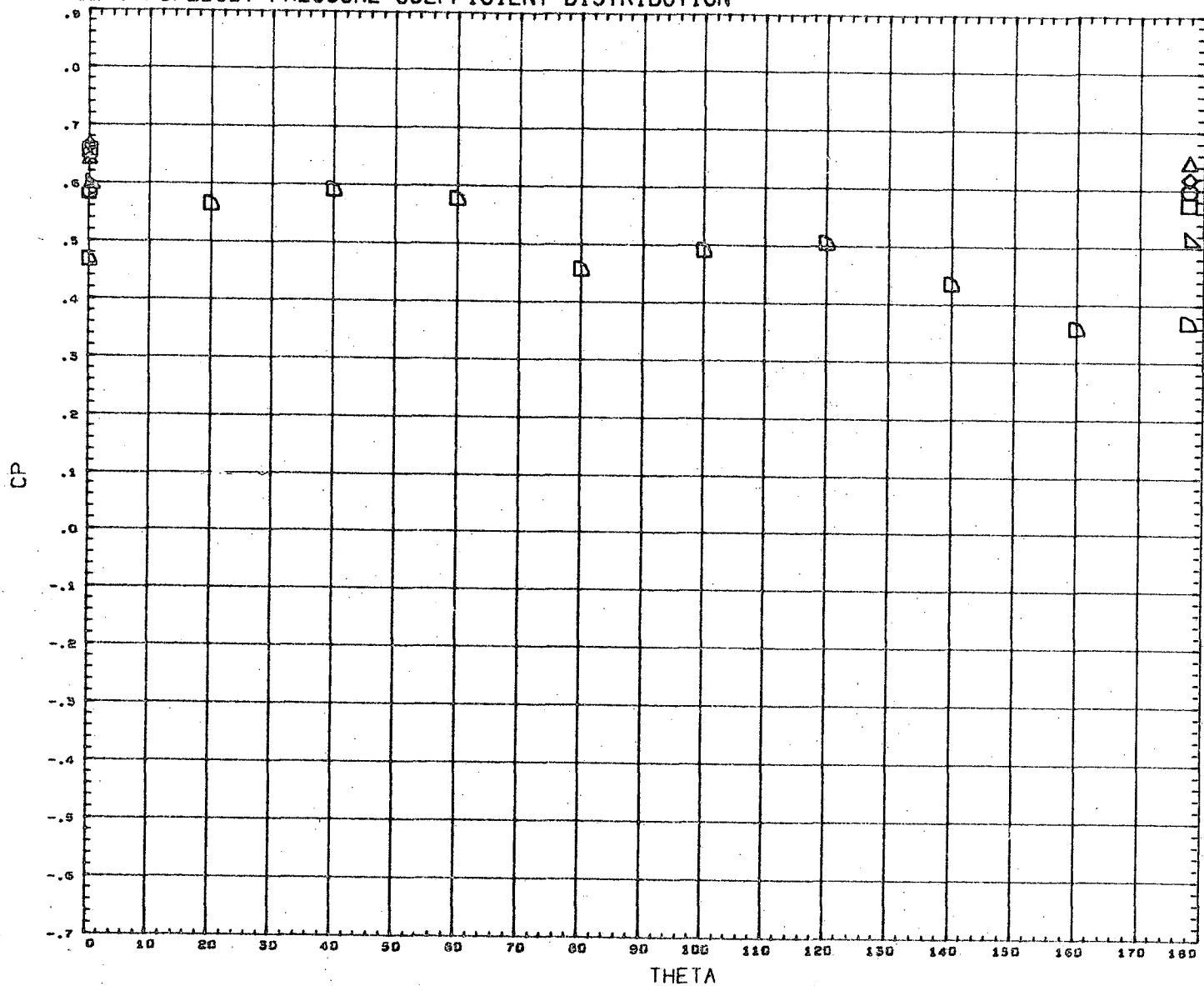
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES			
○	0.320	399.707	0.900	SREF	572.557	SQ.IN.	E/DOCR
△	0.202			LREF	27.000	INCHES	0.000
◇	0.260			BREF	27.000	INCHES	ALPHA
				XMRP	0.000	DIAMTR	0.004
				YMRP	0.000	DIAMTR	WS/WFC
				ZMRP	0.000	DIAMTR	0.000
							PC
							404.679

88708888.FE02E CCSD TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



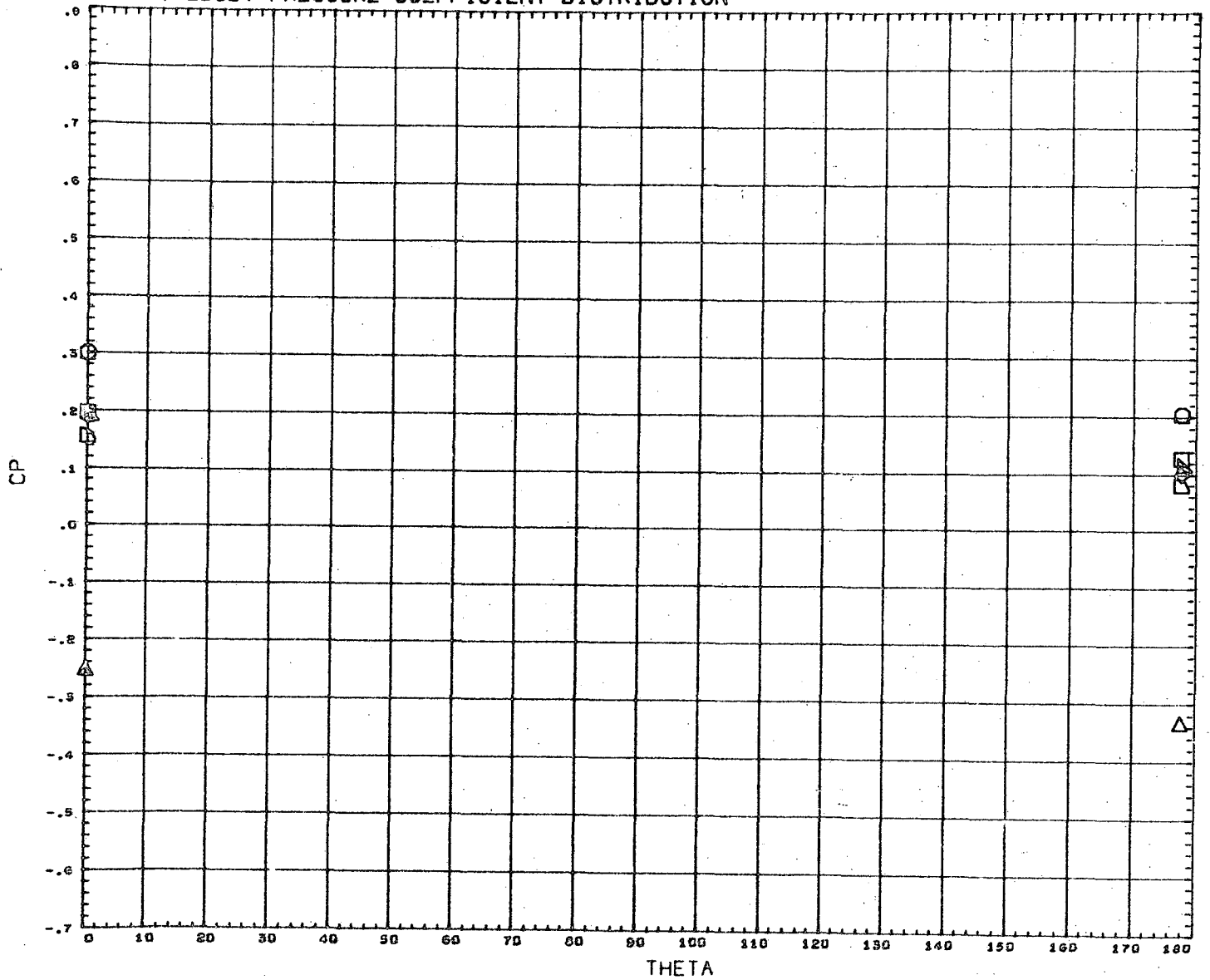
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○	0.736	600.200	0.895	LREF	27.000	INCHES	0.000	ALPHA 0.004
◇	0.699			BREF	27.000	INCHES	PC	404.679 WS/WPC 0.000
△	0.662			XMRP	0.000	DIAMTR		
◻	0.625			YMRP	0.000	DIAMTR		
◼	0.598			ZMRP	0.000	DIAMTR		
◽	0.551	0.0000000000000000	CCSD TN-AP-70-443					

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

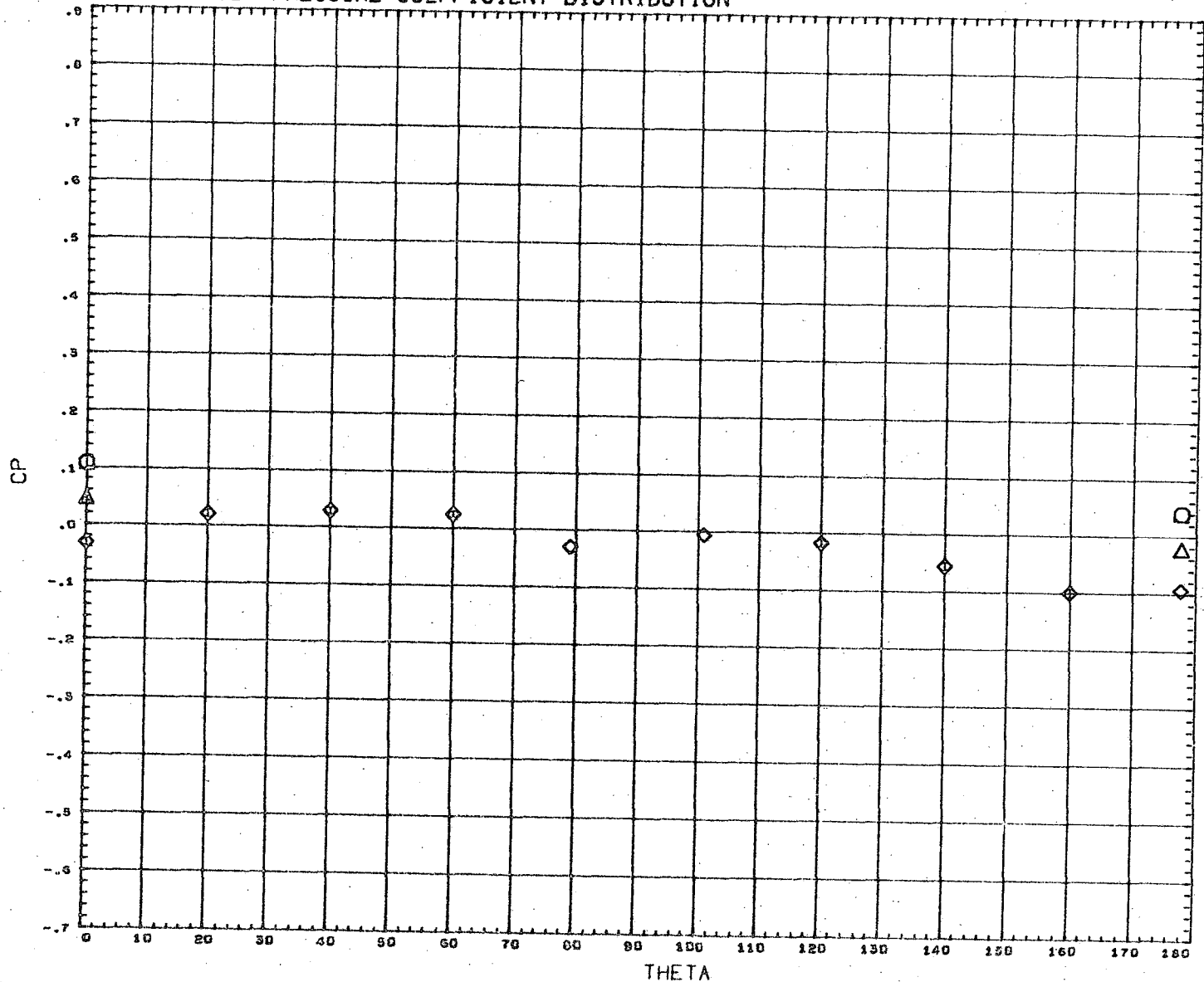


SYMBOL	x/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
○	0.527	600.200	0.095	LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
△	0.505			BREF	27.000	INCHES				
◇	0.468			XMRP	0.000	DIAMTR				
□	0.431			YMRP	0.000	DIAMTR				
▽	0.394			ZMRP	0.000	DIAMTR				
◇	0.357	DATA BASE FOR	CCSD	TN-AP-70-449						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



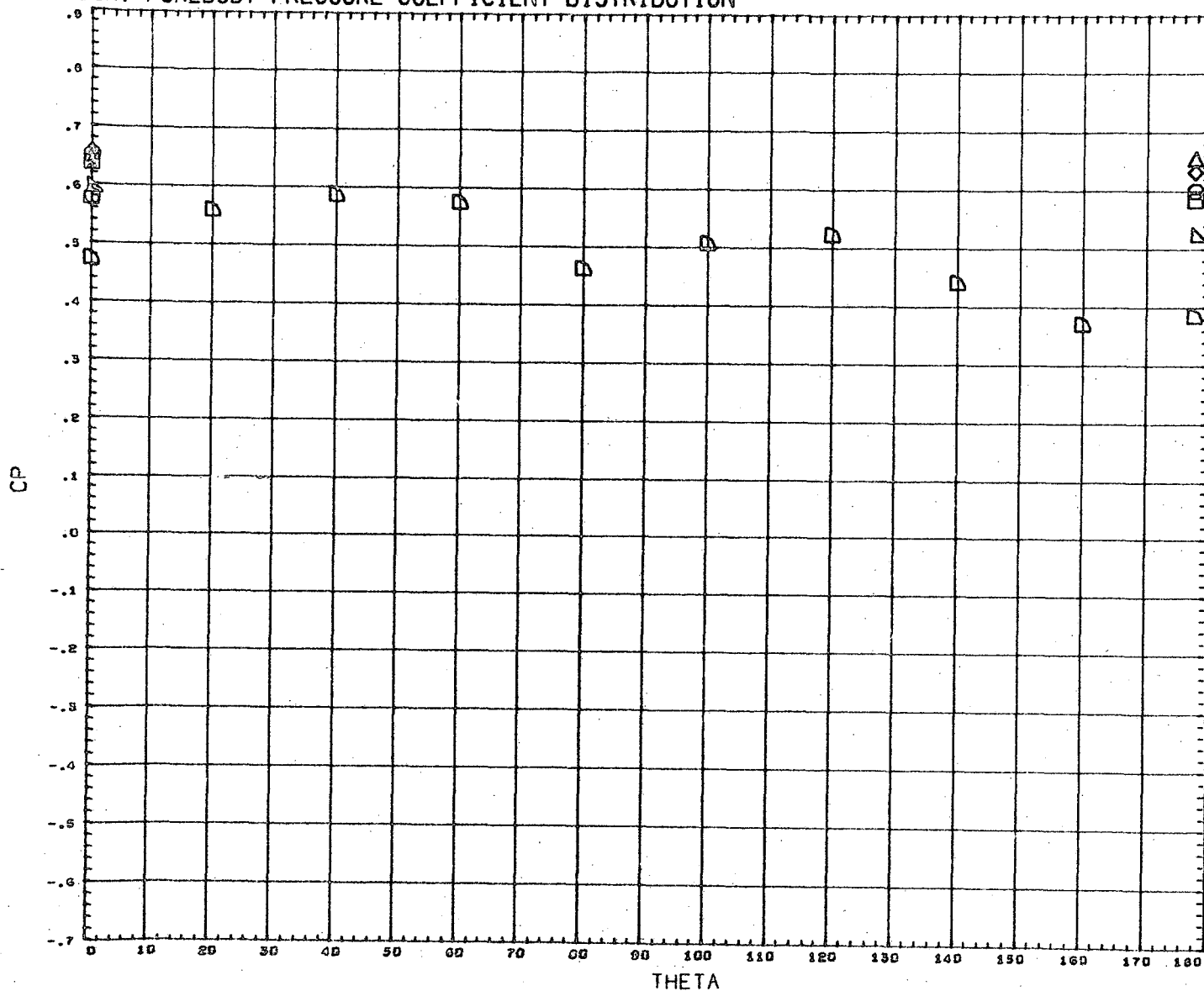
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◇	0.320	600.200	0.095	572.557	27.000	27.000	0.000	0.000	0.000	58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.000	0.000	0.000	0.000	0.000
◇	0.282																					
◇	0.260																					

8578R006.FE02E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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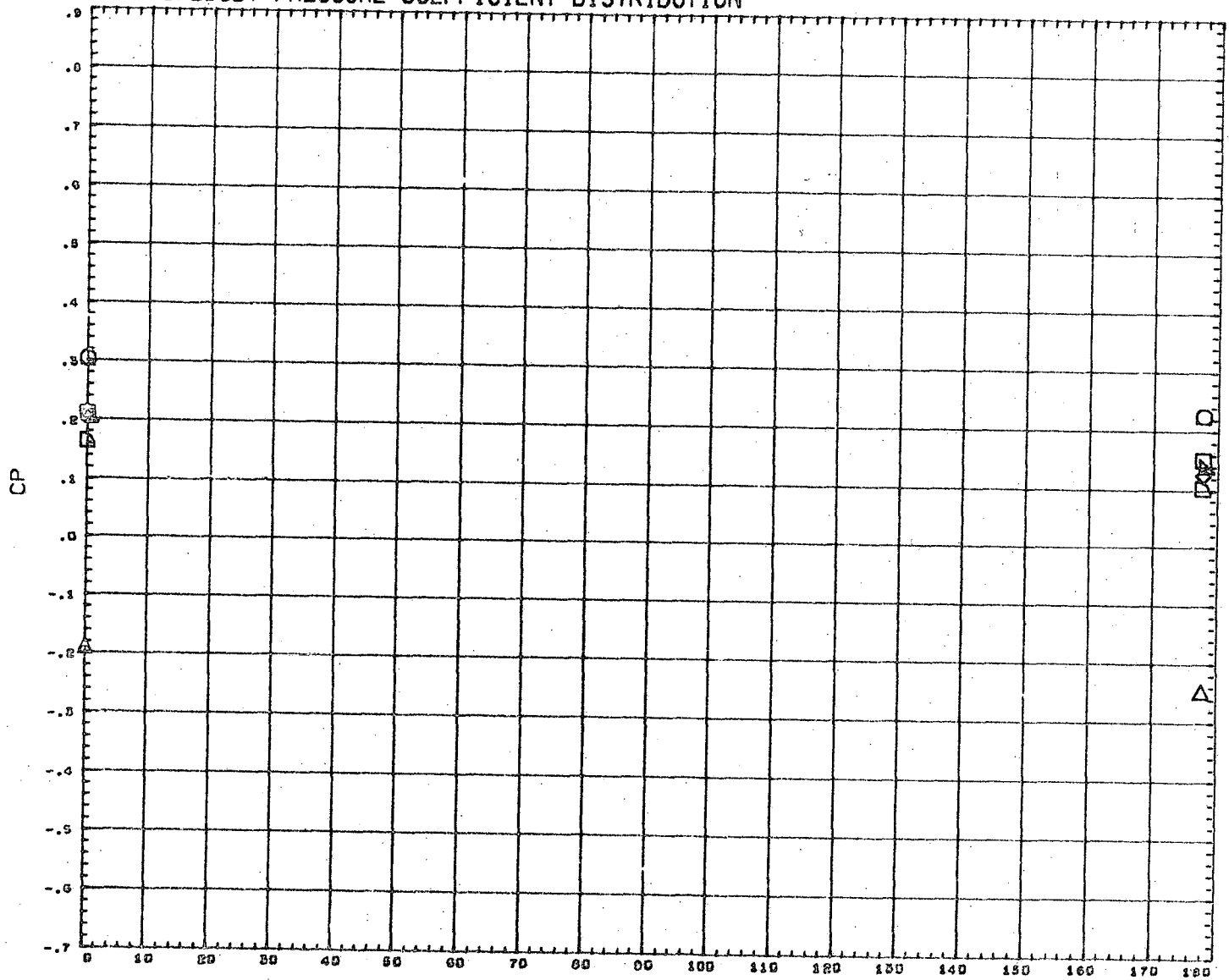
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	812.557	0.902	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000
△	0.699			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	ALPHA 0.004
◇	0.662			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679
□	0.625			0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR	DIAMTR	WS/WFC 0.000
▽	0.588			0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR	DIAMTR	
◊	0.551	0.0000000000000000		0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR	DIAMTR	

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

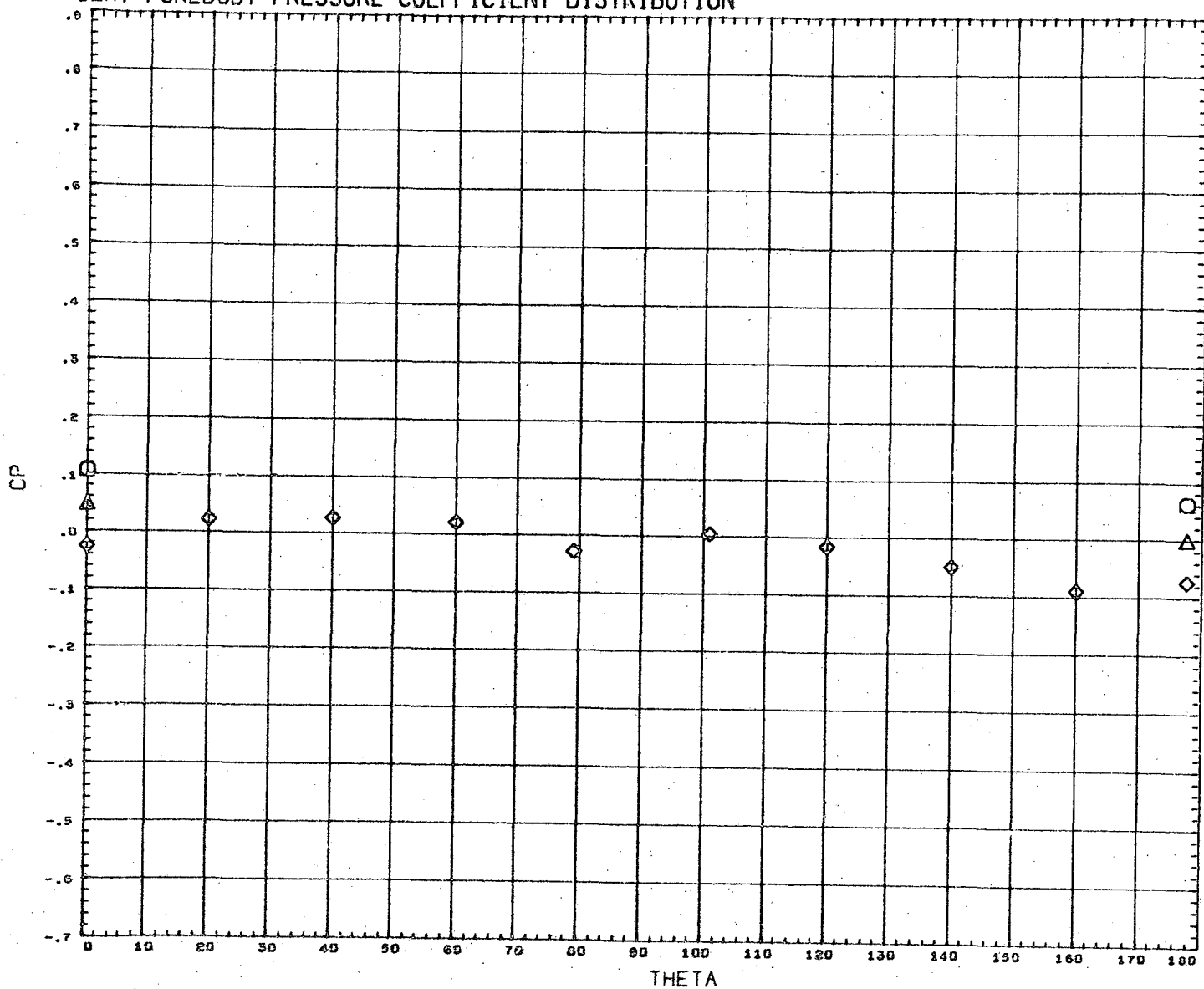
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/C	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES		
○	0.327	012.557	0.992	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA	0.004	
□	0.505				INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC	0.000	
△	0.460													
◇	0.431													
▽	0.394													
◇	0.357	00788068.F6C0E	CCSD TH-AP-70-449											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



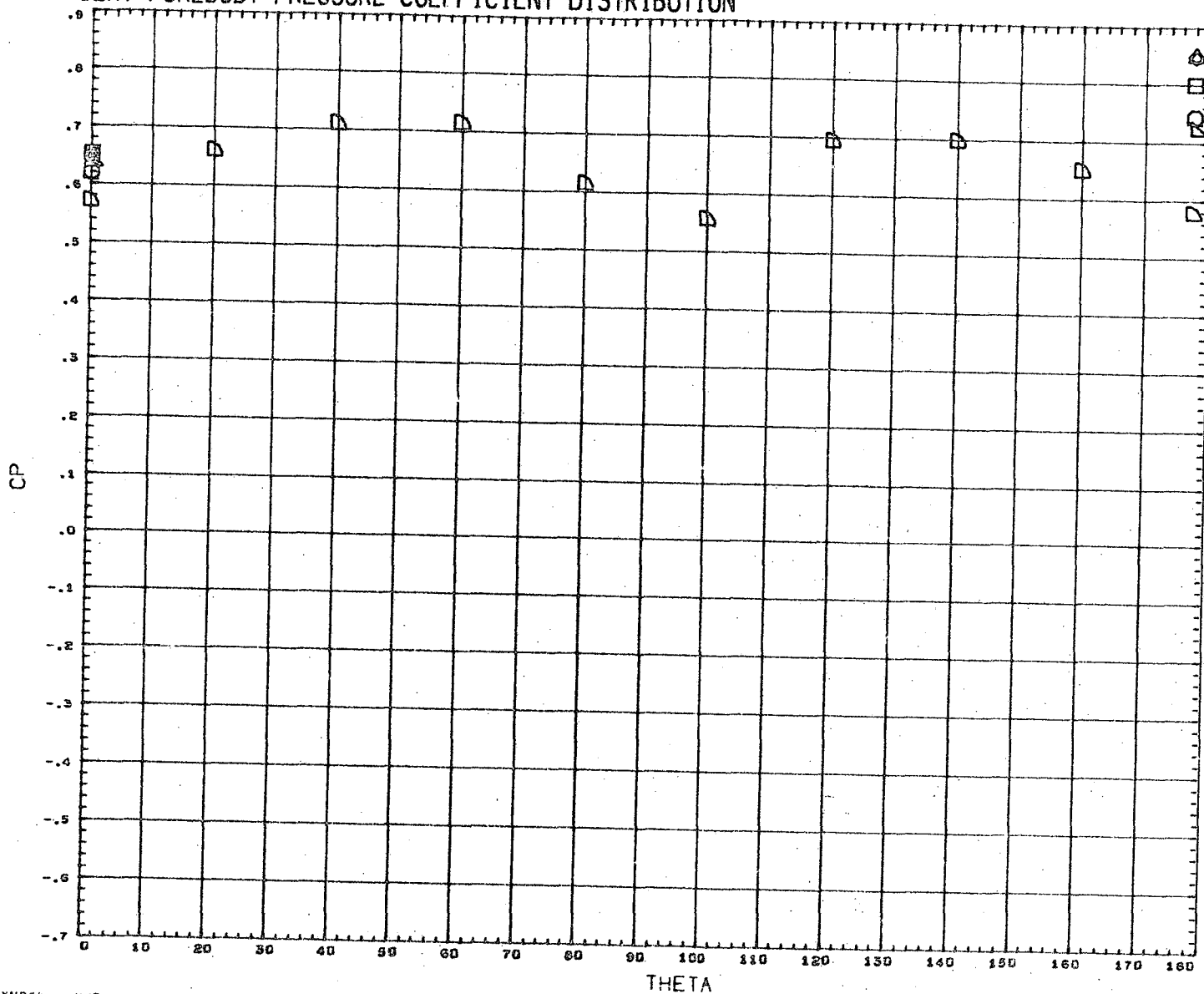
SYMBOL	X/D	FRATIO	MACH	SREF	572.557	58.1N.	E/DOOR	PARAMETRIC VALUES	
○	0.325	812.557	0.902	LREF	27.000	INCHES	PC	0.000	ALPHA
△	0.282			BREF	27.000	INCHES		404.679	WS/WPC
◇	0.260			XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

DATA8068.FILDE CC60 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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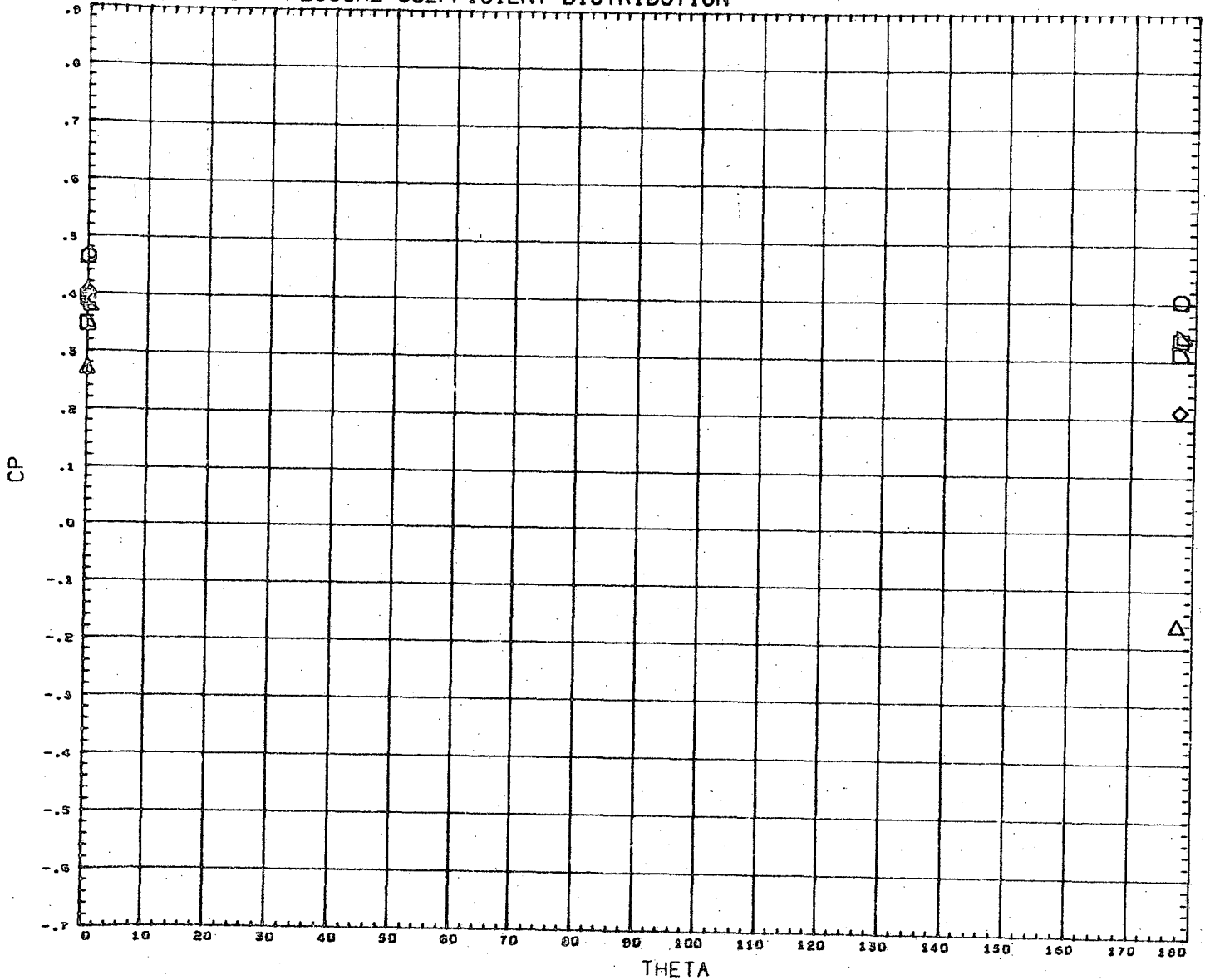
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH					PARAMETRIC VALUES		
○	0.736	395.993	1.100	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
◇	0.699			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◊	0.662			BREF	27.000	INCHES				
◻	0.625			XMRP	0.000	DIAMTR				
◼	0.588			YMRP	0.000	DIAMTR				
△	0.551			ZMRP	0.000	DIAMTR				
DETERMINED FROM CCSD TH-AP-70-445										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

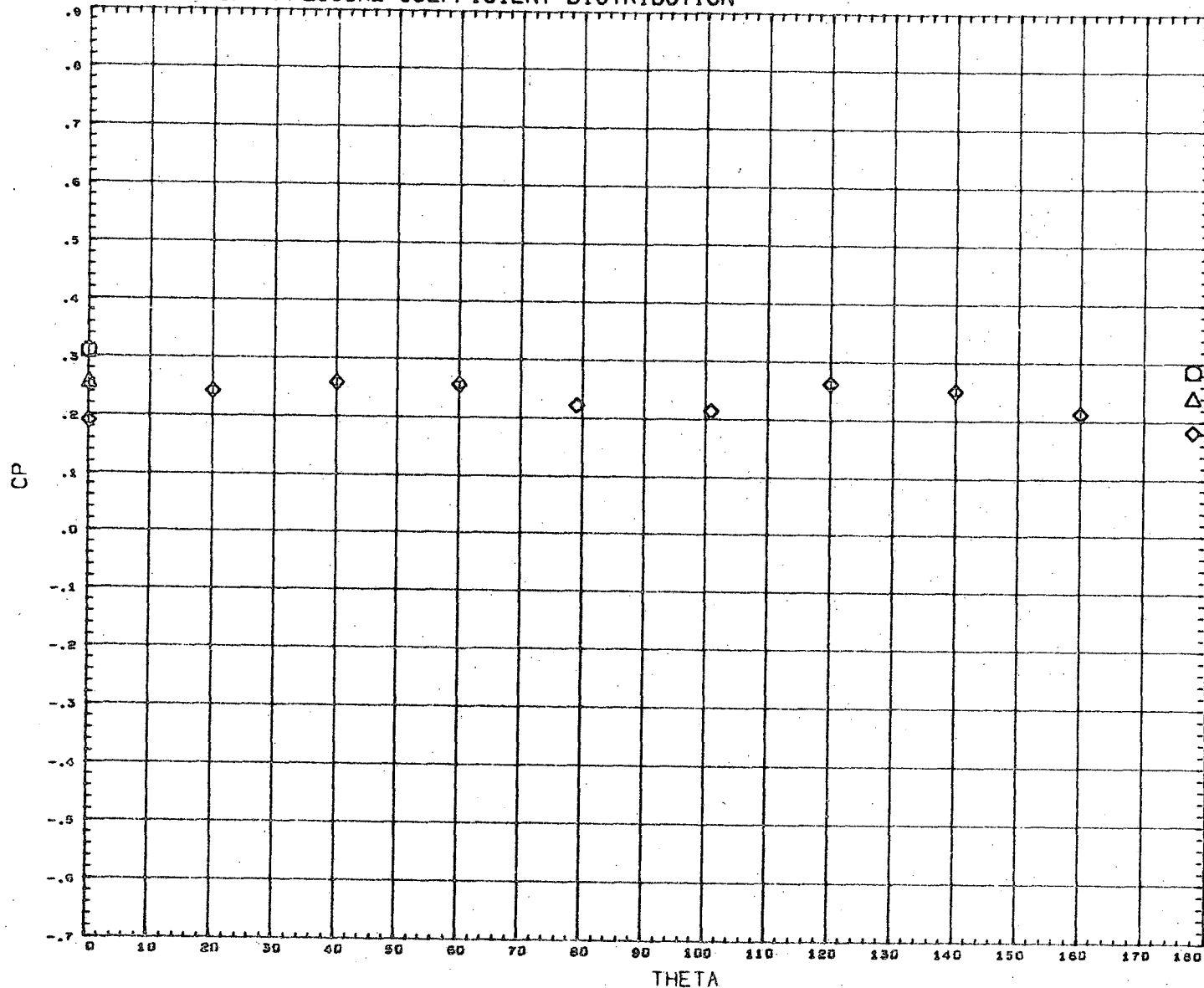
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SRUF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES		
○	0.527	395.993	1.100	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
◇	0.505			BREF	27.000	INCHES		404.679	WS/WFC	0.000
△	0.468			XMRP	0.000	DIAMTR				
□	0.431			YMRP	0.000	DIAMTR				
◇	0.394			ZMRP	0.000	DIAMTR				
◇	0.357	0.000	0.000							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

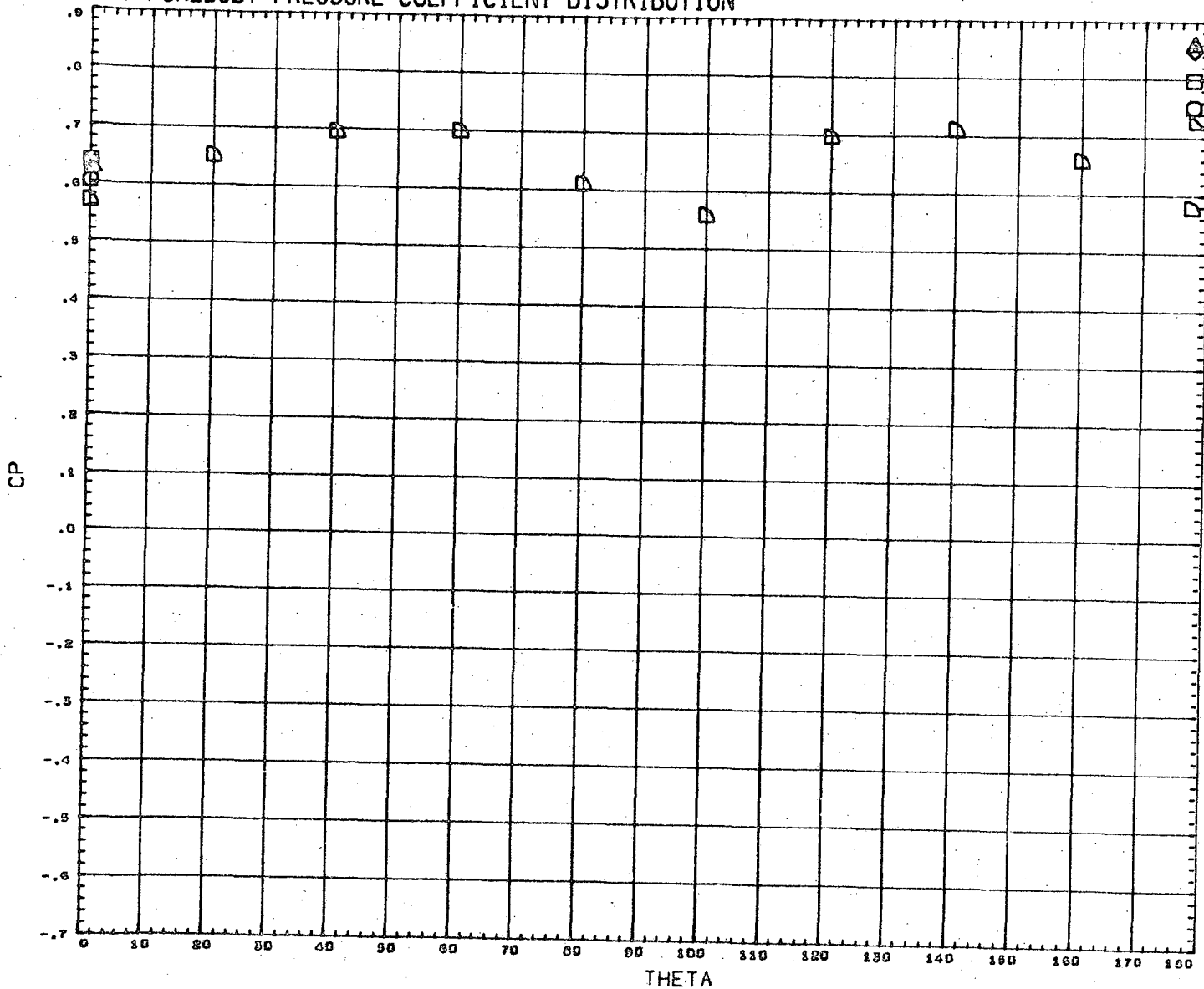
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
○	0.320	395.993	1.100	572.557	27.000	27.000	0.000	0.000	0.000	50. IN.	0.000	404.679	0.004	0.000
△	0.282									INCHES				
◇	0.260									INCHES				
										DIAMTR				
										DIAMTR				
										DIAMTR				

00000000.F000E CCSD TH-AP-70-445

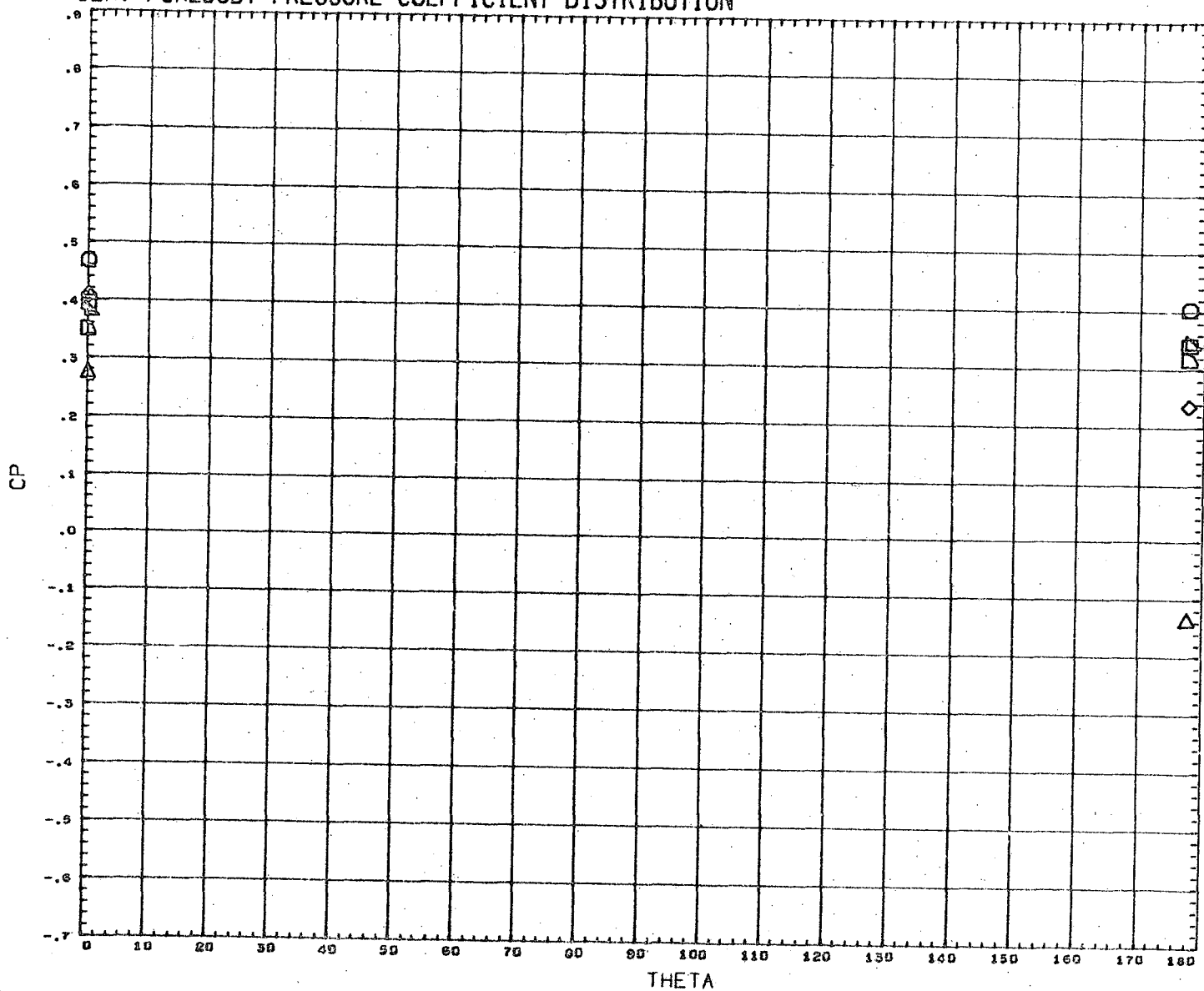
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	572.557	58.1N.	INCHES	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	0.736	491.360	1.101	572.557	58.1N.	INCHES	0.000	0.000	0.000	572.557	58.1N.	INCHES	0.000	0.000	0.000	0.000
◇	0.698			27.000	27.000	INCHES	0.000	0.000	0.000	27.000	27.000	INCHES	0.000	0.000	0.000	0.000
◊	0.662			27.000	27.000	INCHES	0.000	0.000	0.000	27.000	27.000	INCHES	0.000	0.000	0.000	0.000
◻	0.625			0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000
◼	0.588			0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000
◽	0.551	0.000	0.000	0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000	DIAMTR	0.000	0.000	0.000	0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

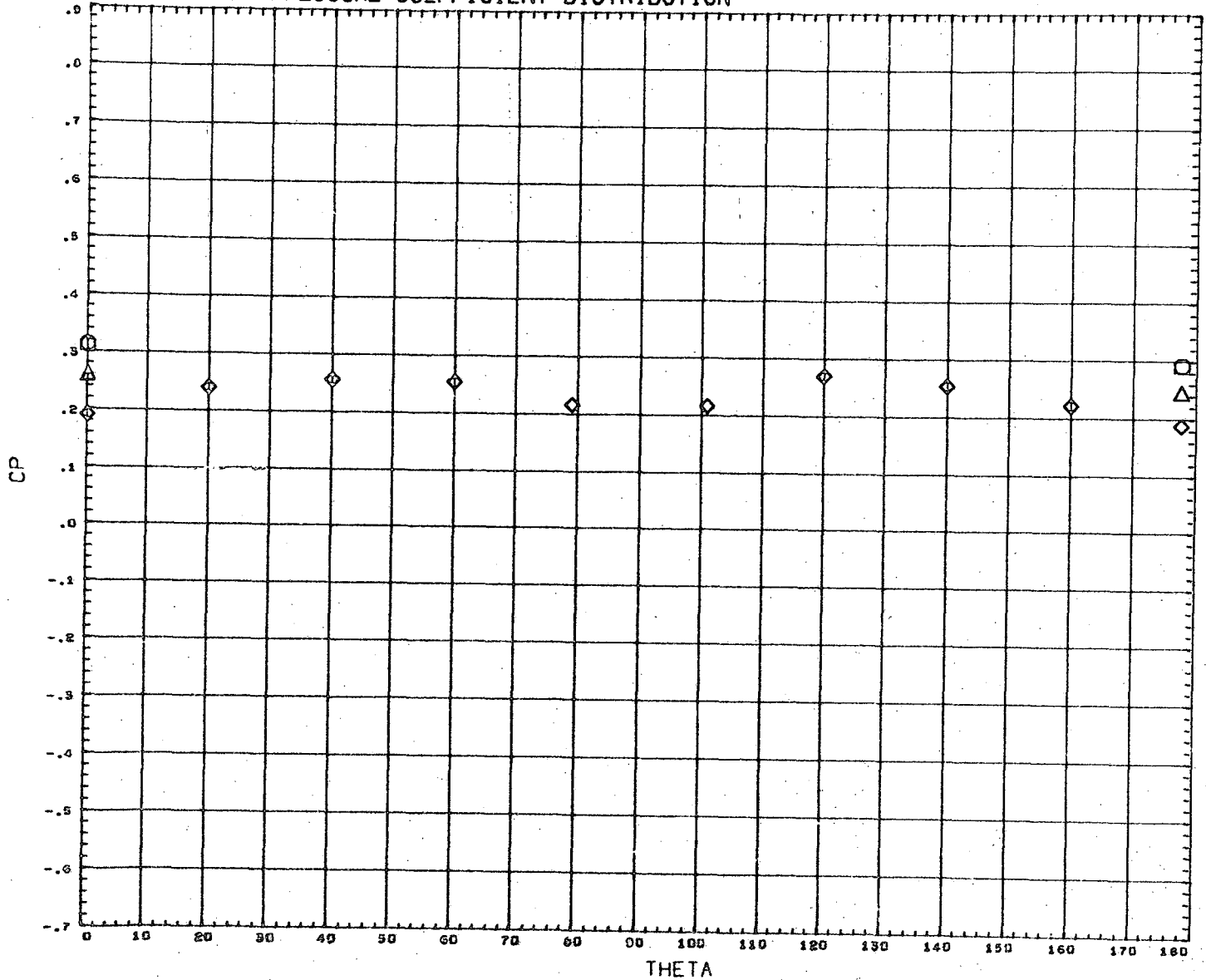
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	0.527	491.380	1.101	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	0.004	0.004	0.000
△	0.505			58.1N.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR					
◇	0.468													
□	0.431													
◇	0.394													
○	0.357	05988060.FCLSE	CCSD TN-AP-70-445											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



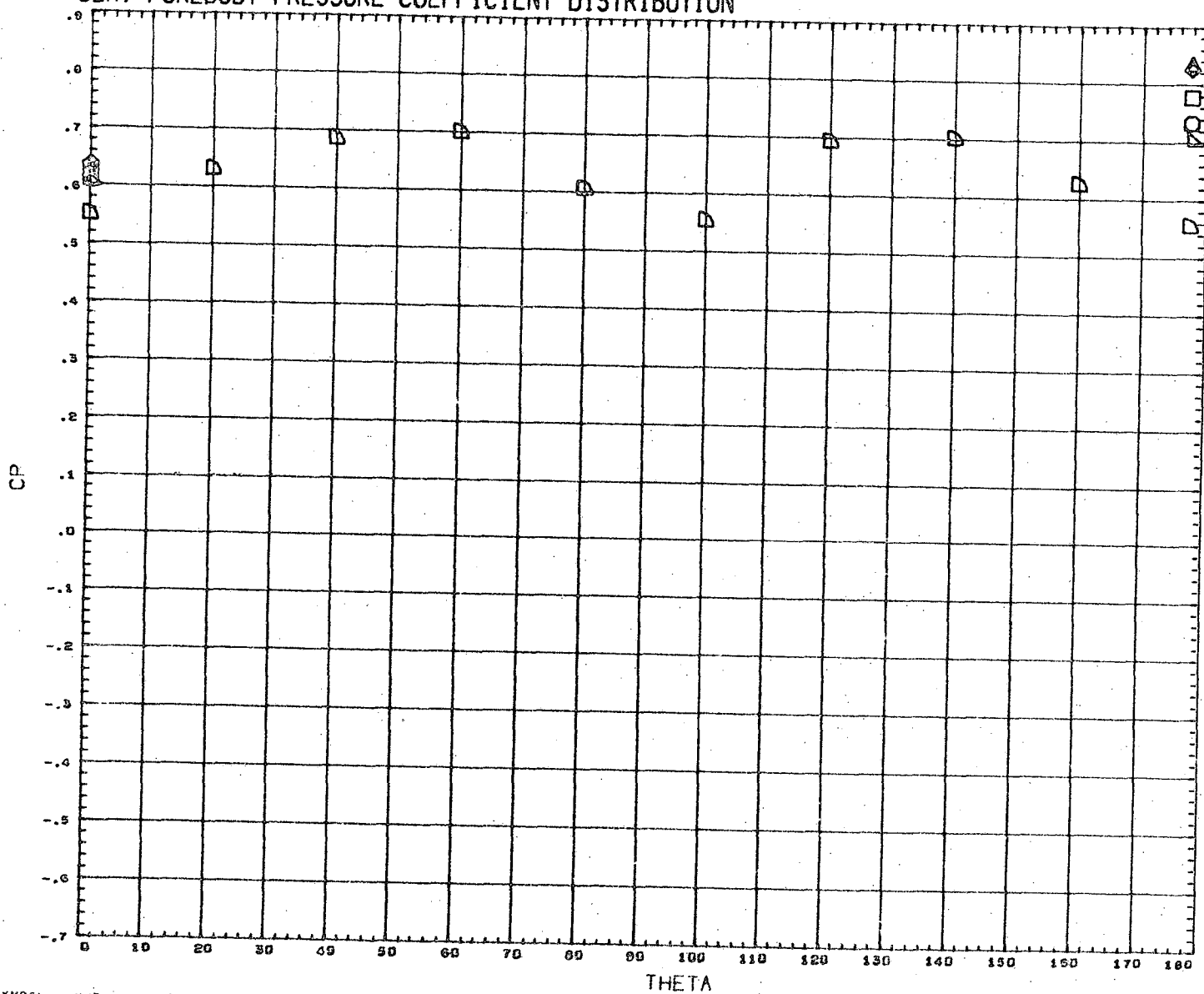
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	sq.IN.	INCHES	INCHES	DIANTR	DIANTR	DIANTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	0.004	0.000
○	0.320	491.380	1.101	572.557	27.000	27.000	0.000	0.000	0.000	58.000	1.101	1.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	0.202																					
◇	0.260																					

Q8TSRBOGS.FCLCE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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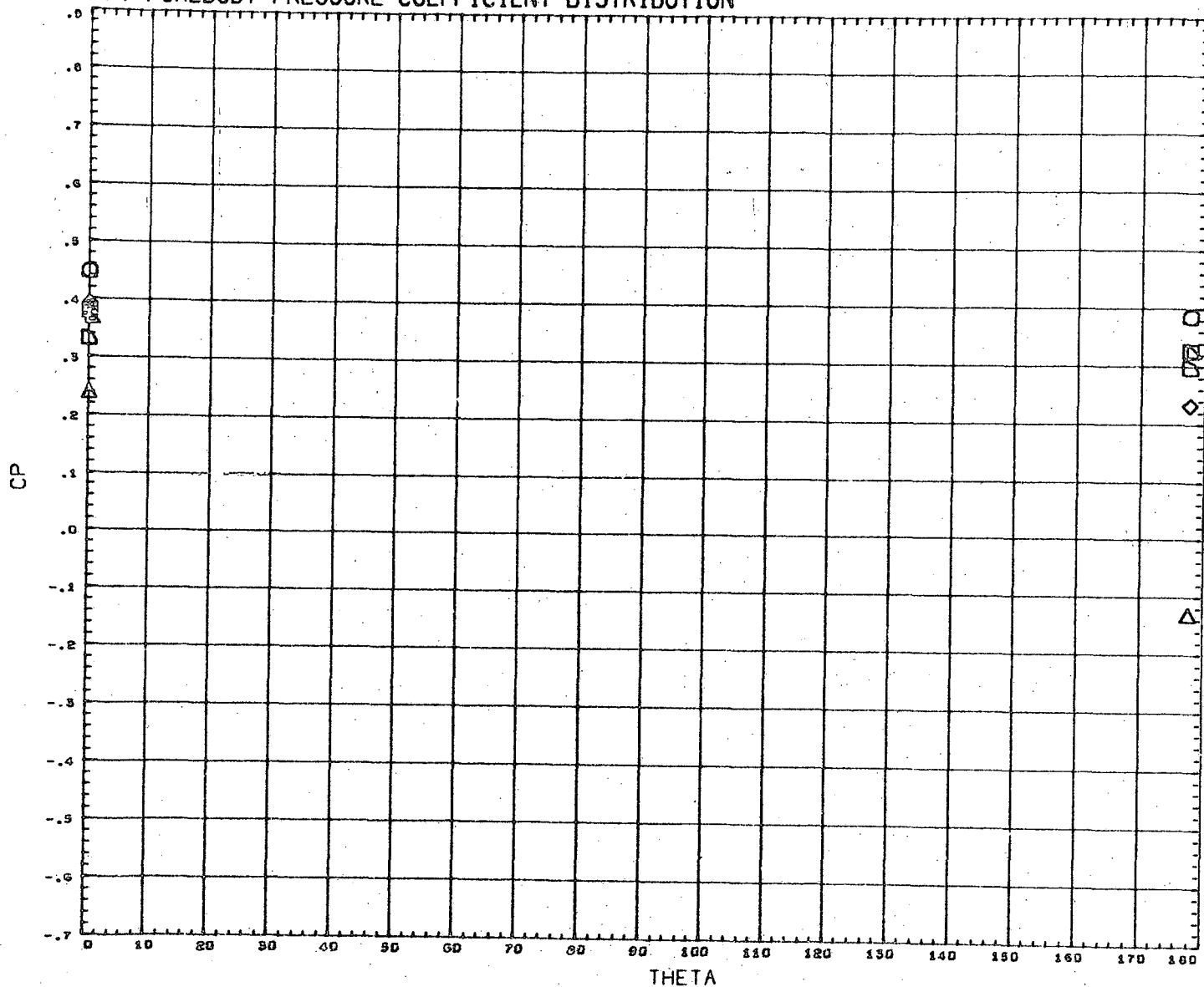
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL				X/D	FRATIO	MACH	THE TA				PARAMETRIC VALUES			
○				0.736	599.127	1.089	SREF	572.557	50.IN.	E/DOOR	0.000	ALPHA	0.004	
△				0.699			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000	
◇				0.662			BREF	27.000	INCHES					
◊				0.625			XMRP	0.000	DIAMTR					
◻				0.588			YMRP	0.000	DIAMTR					
◼				0.551	BSGRSDGE.FCC2E	CCSD TH-AP-70-449	ZMRP	0.000	DIAMTR					

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

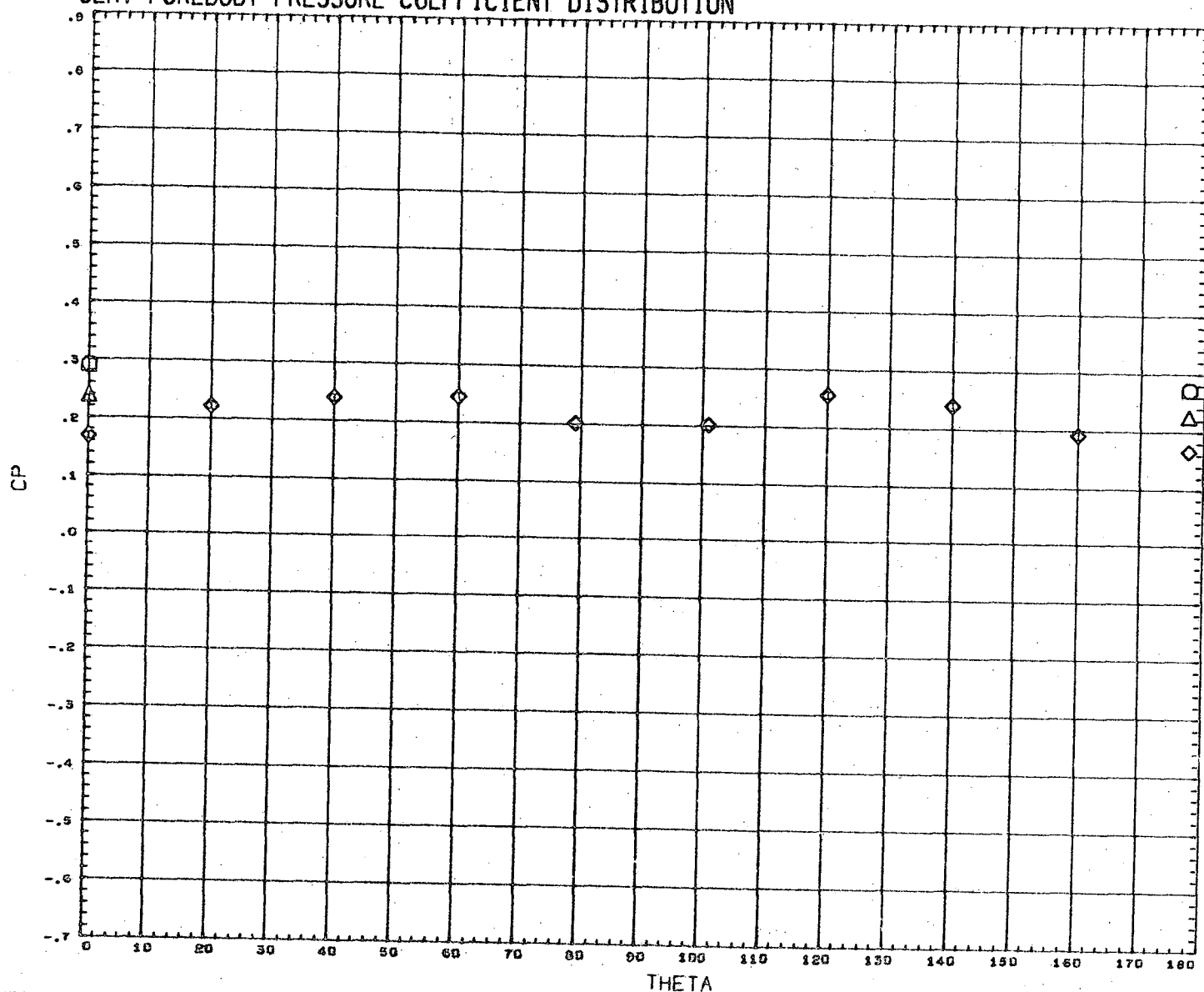
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XHRF	YHRF	ZHRF	PARAMETRIC VALUES
○	0.527	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.505									PC 404.679 WS/WFC 0.000
◇	0.468									
□	0.431									
▽	0.394									
◇	0.357	DBTORBDS.FCDBE	CCSD TH-AP-70-449							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WFC
○	0.320	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	0.000	404.679	0.004	0.000
△	0.282									INCHES				
◇	0.260									INCHES				
										DIAMTR				
										DIAMTR				
										DIAMTR				

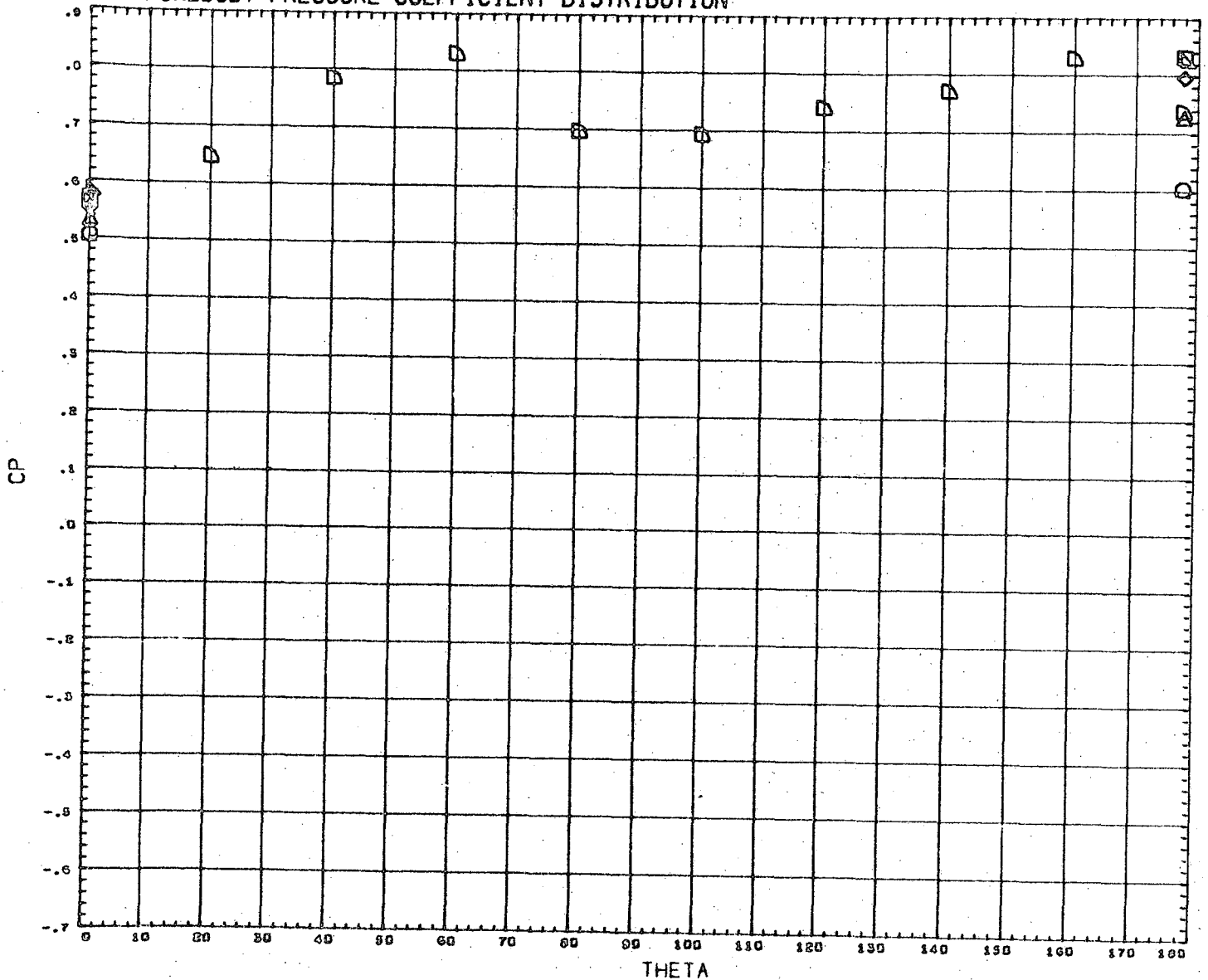
DB75R0063.FE00E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

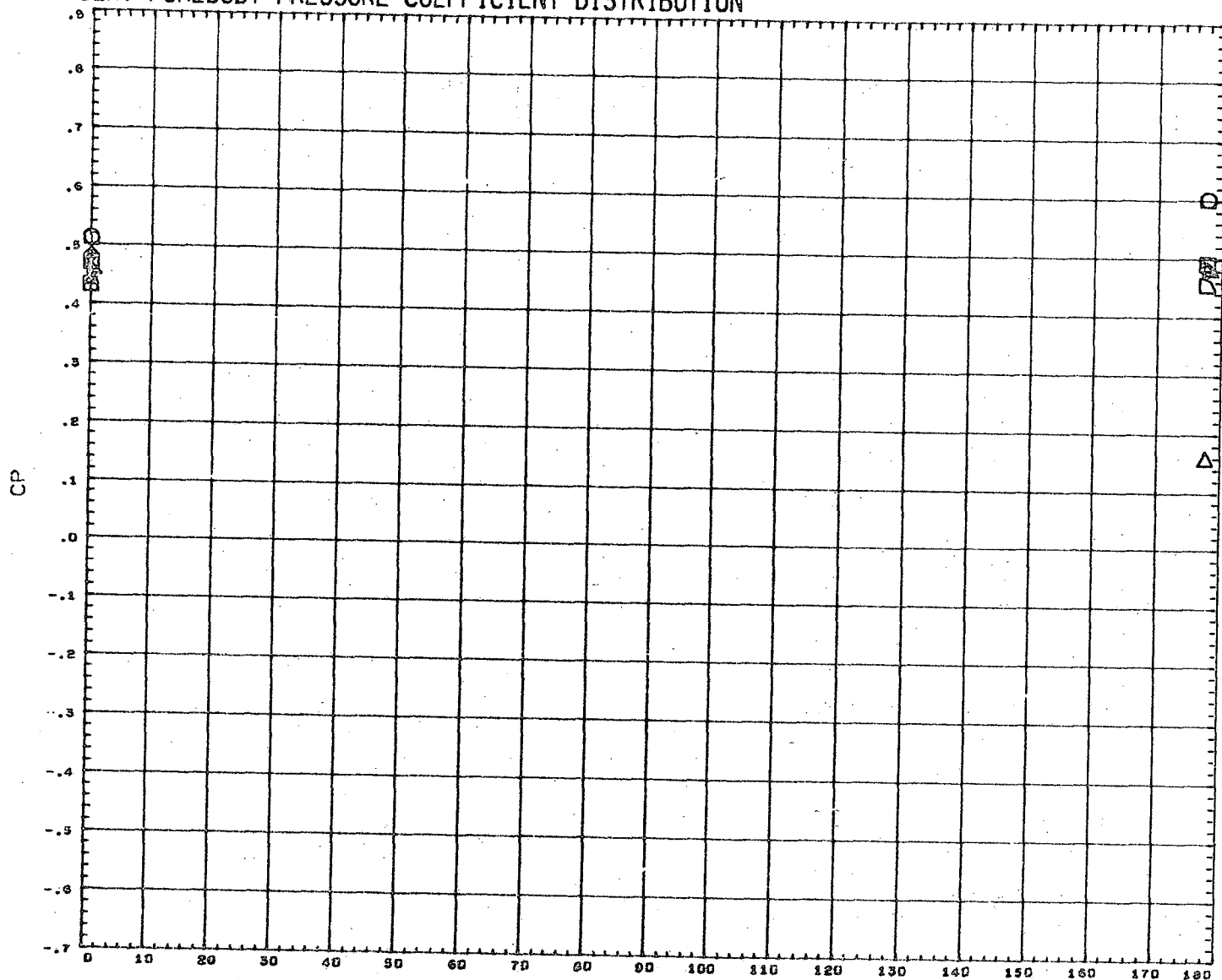
PAGE 130

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	406.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	0.000
◇	0.699			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.004
△	0.662									0.000
□	0.635									
◇	0.508									
○	0.551	0.0708865	FEIGE	CCSD	TN-AP-70-449					

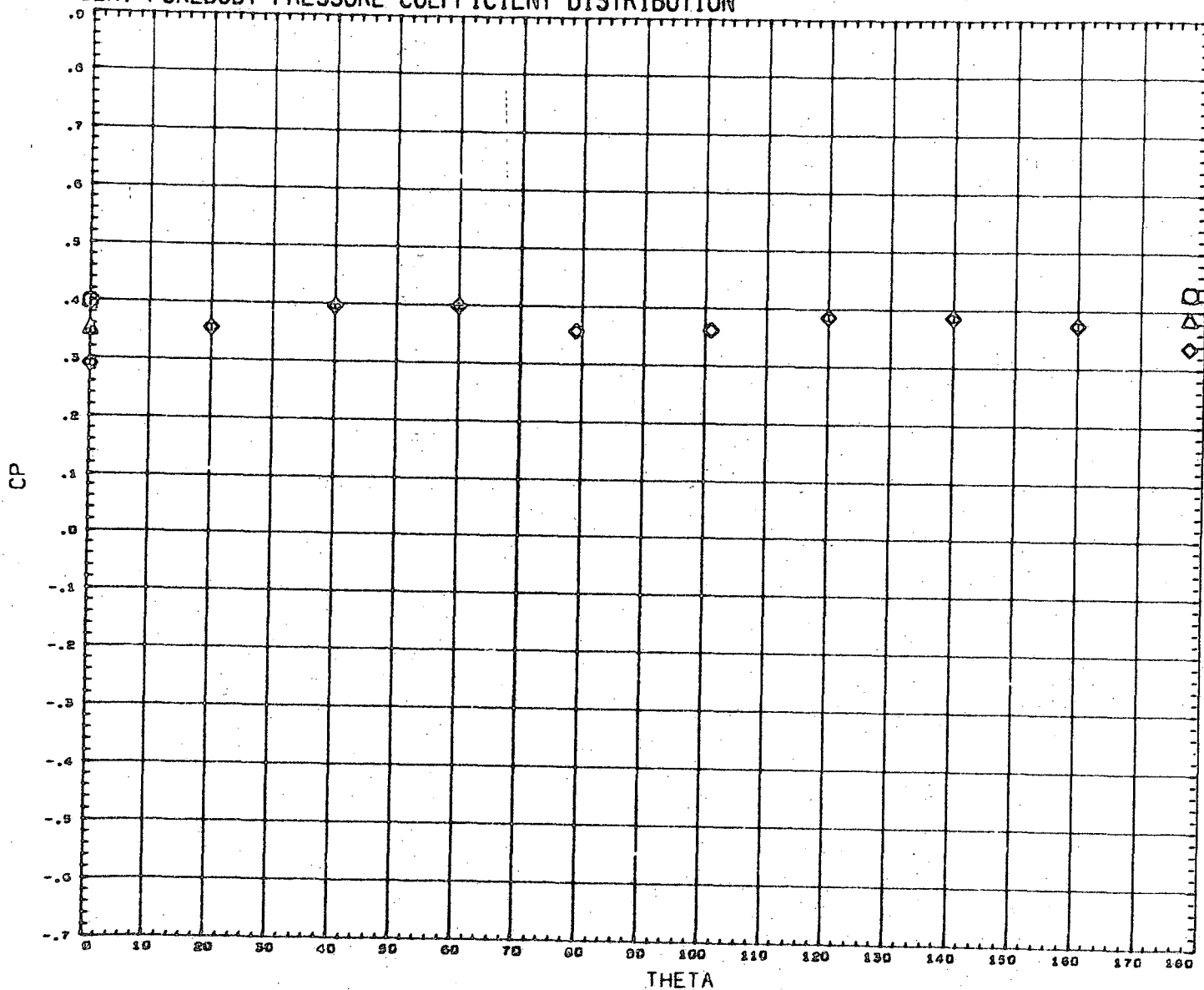
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL				X/D	PRATIO	MACH	THETA										PARAMETRIC VALUES			
○	◇	△	□	▽	◇	▽	SREF	572.557	50.IN.	E/DOOR	0.000	ALPHA	0.004							
							LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000							
							BREF	27.000	INCHES											
							XMRP	0.000	DIAMTR											
							YMRP	0.000	DIAMTR											
							ZMRP	0.000	DIAMTR											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



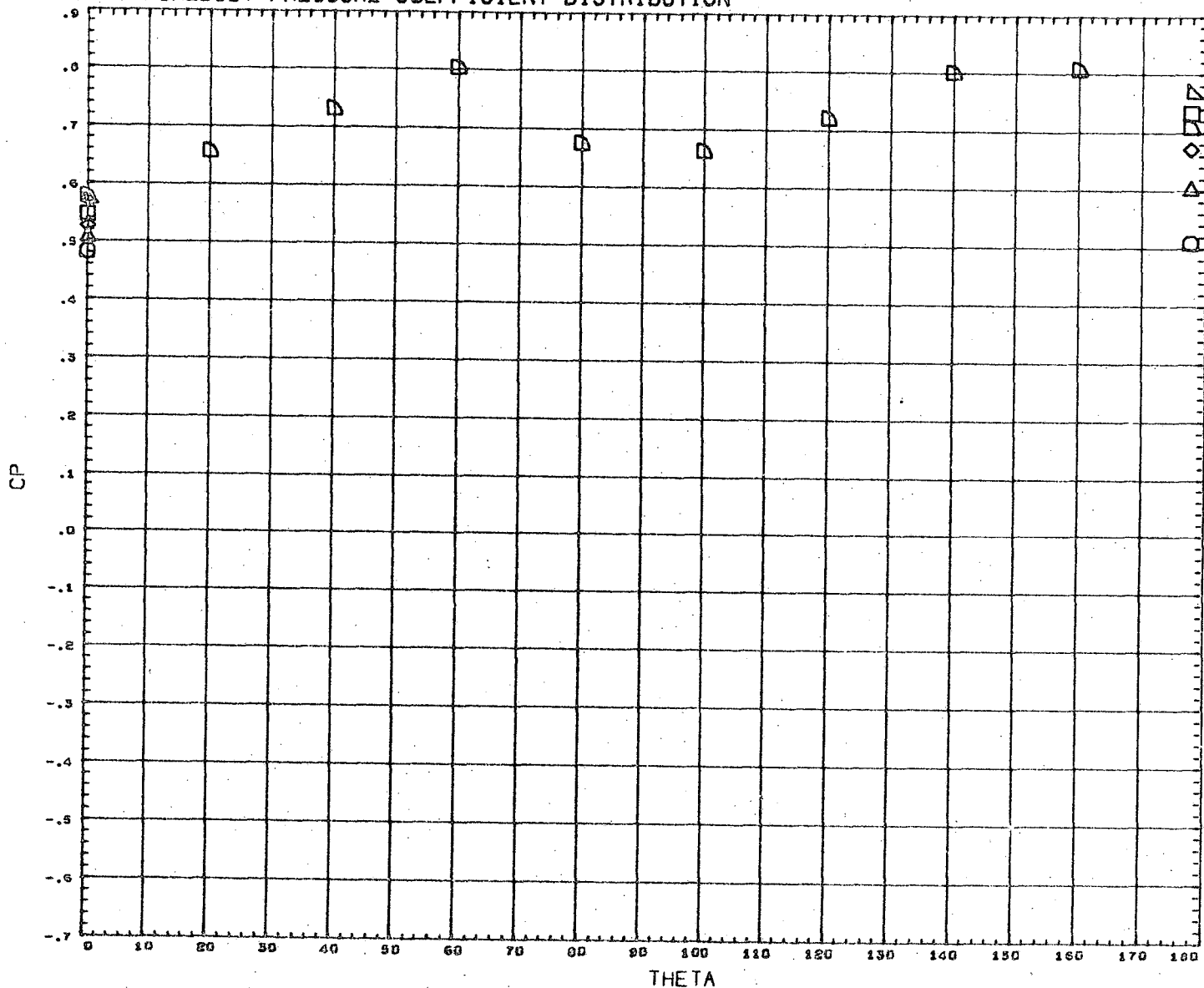
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	INCHES	INCHES	CIANTR	CIANTR	CIANTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	0.004	0.000
○	0.320	406.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	56.1N.	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	0.202																					
◇	0.260																					

08708006E.FE00E C009 TN-AP-70-445

AEDC TF250 C009/SERV(SIMULATED JET) FOREBODY (AT7140)

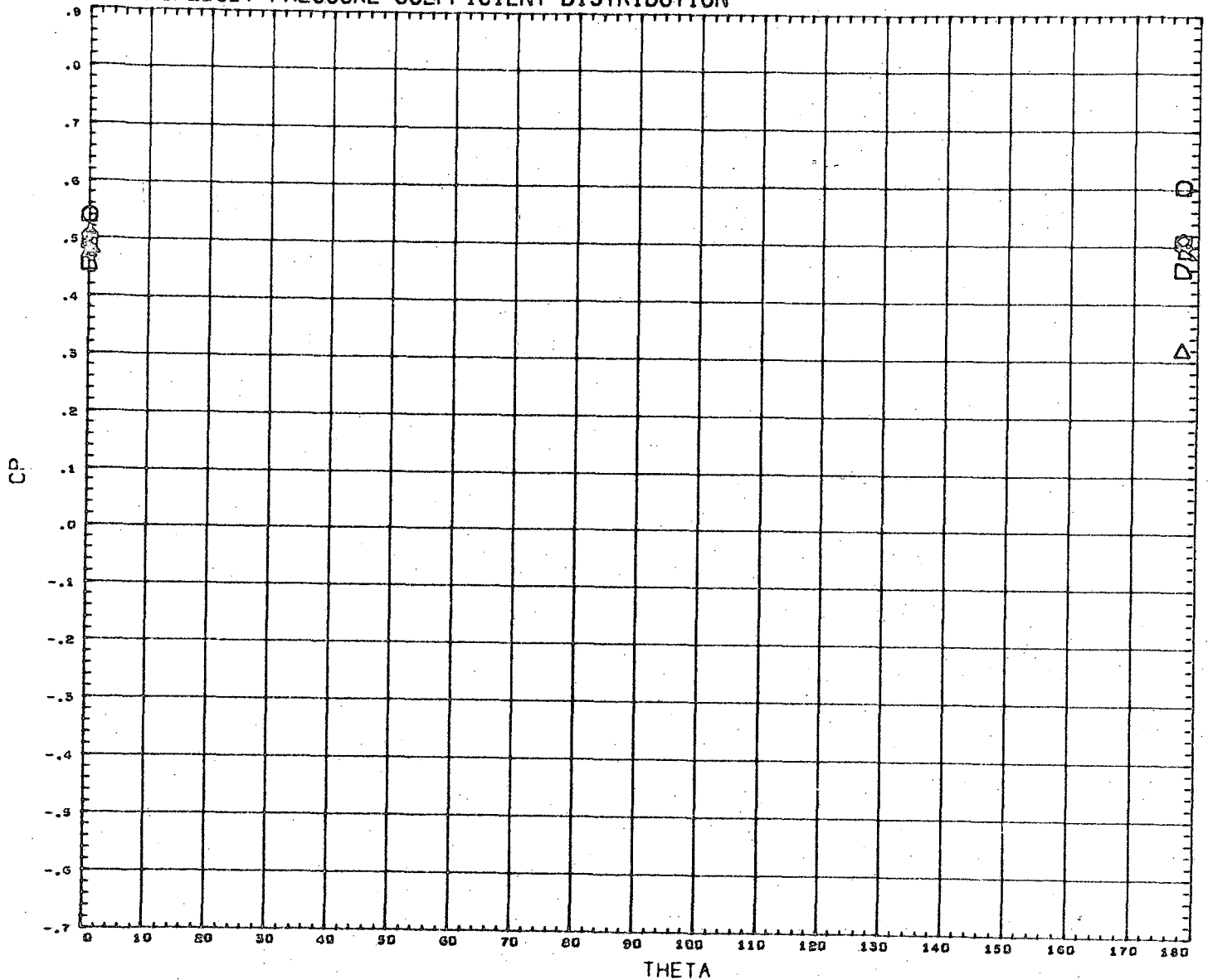
PAGE 133

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
□	0.736	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699									PC 404.679 WS/WPC 0.000
△	0.662									
◻	0.625									
◼	0.588									
◽	0.551	0.55188888.F002E	CCSD TN-AP-7D-449							

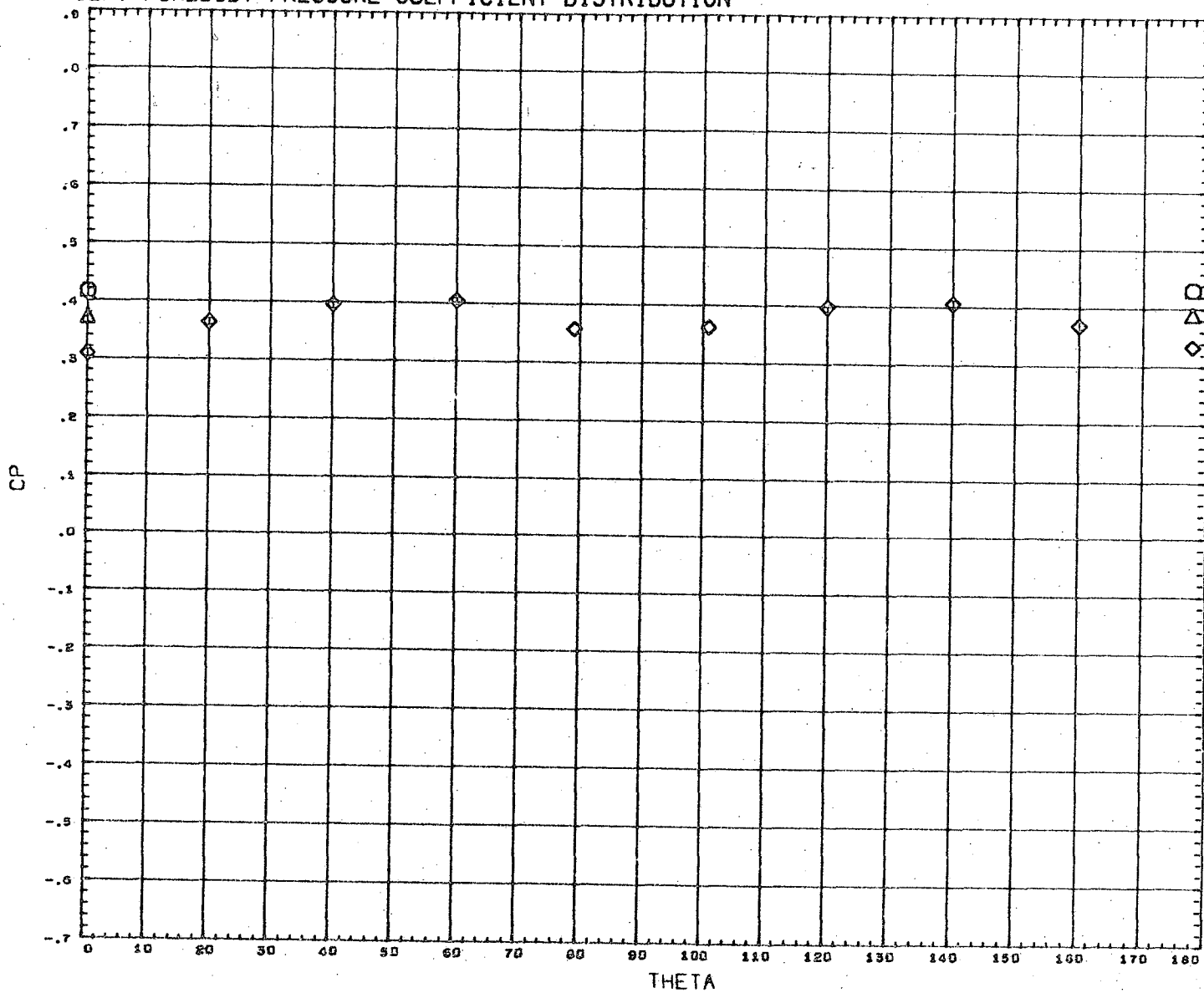
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.505			572.557	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
△	0.468			572.557	27.000	27.000	0.000	0.000	0.000	
□	0.431			572.557	27.000	27.000	0.000	0.000	0.000	
◇	0.394			572.557	27.000	27.000	0.000	0.000	0.000	
○	0.357	0.000000	1.261	572.557	27.000	27.000	0.000	0.000	0.000	

CCSD TN-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



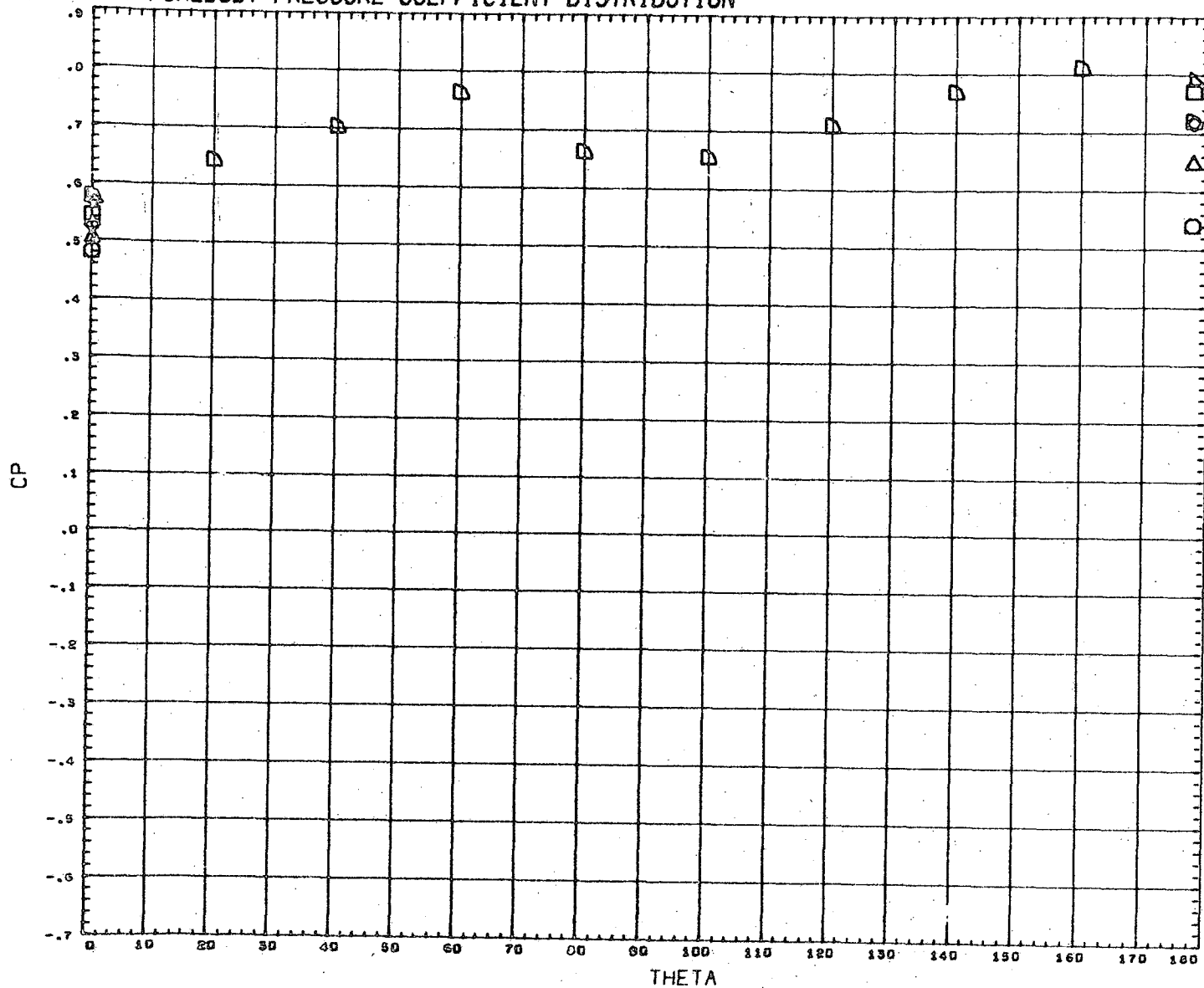
				PARAMETRIC VALUES						
SYMBOL	X/D	PRATIO	MACH							
○	0.320	751.932	1.261	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
△	0.262			LREF	27.000	INCHES				
				BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	0.260			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

00700000.FE02E CC80 TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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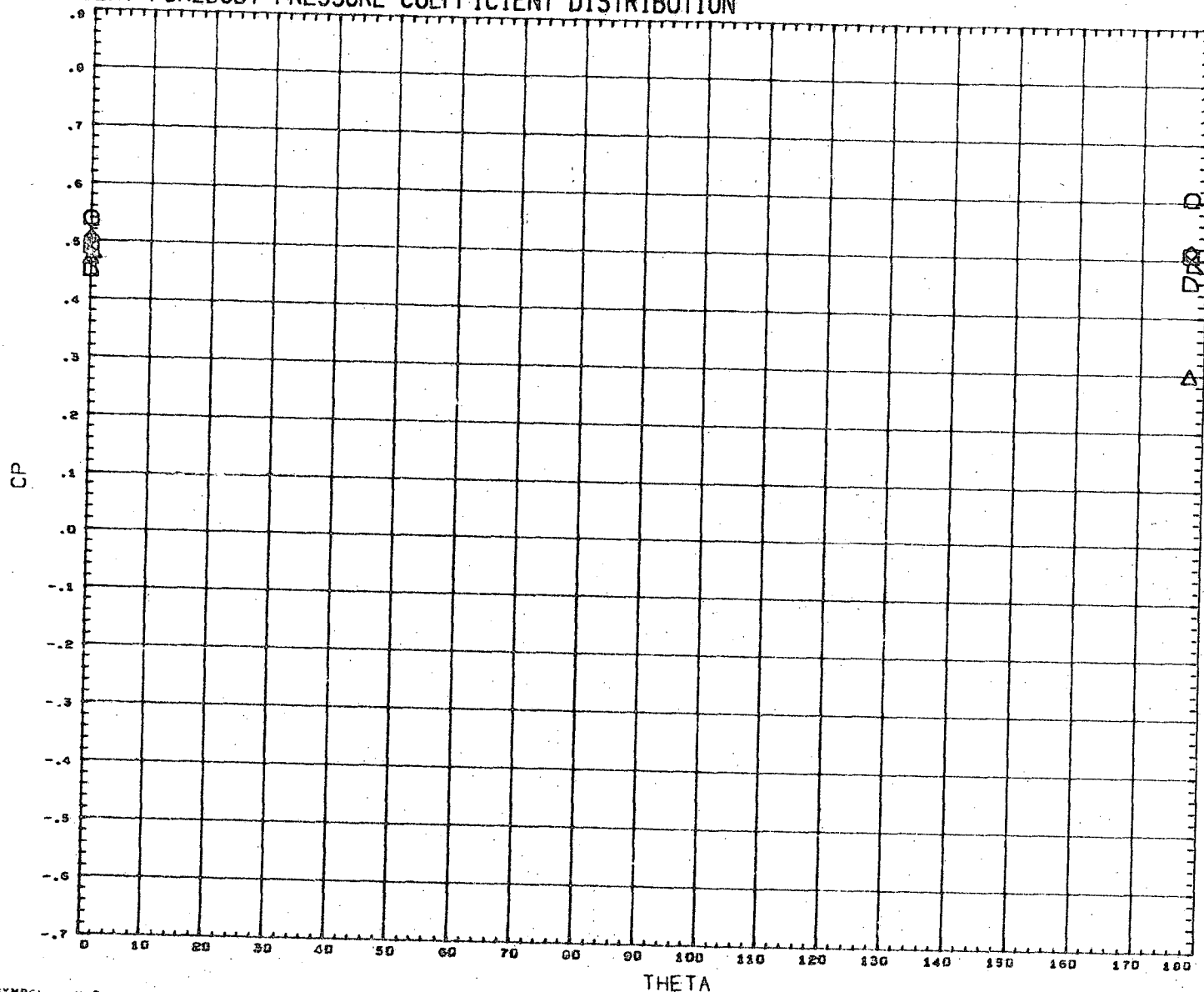
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	831.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.699			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000
◇	0.662									
□	0.625									
■	0.508									
◻	0.551	831.960	1.248							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



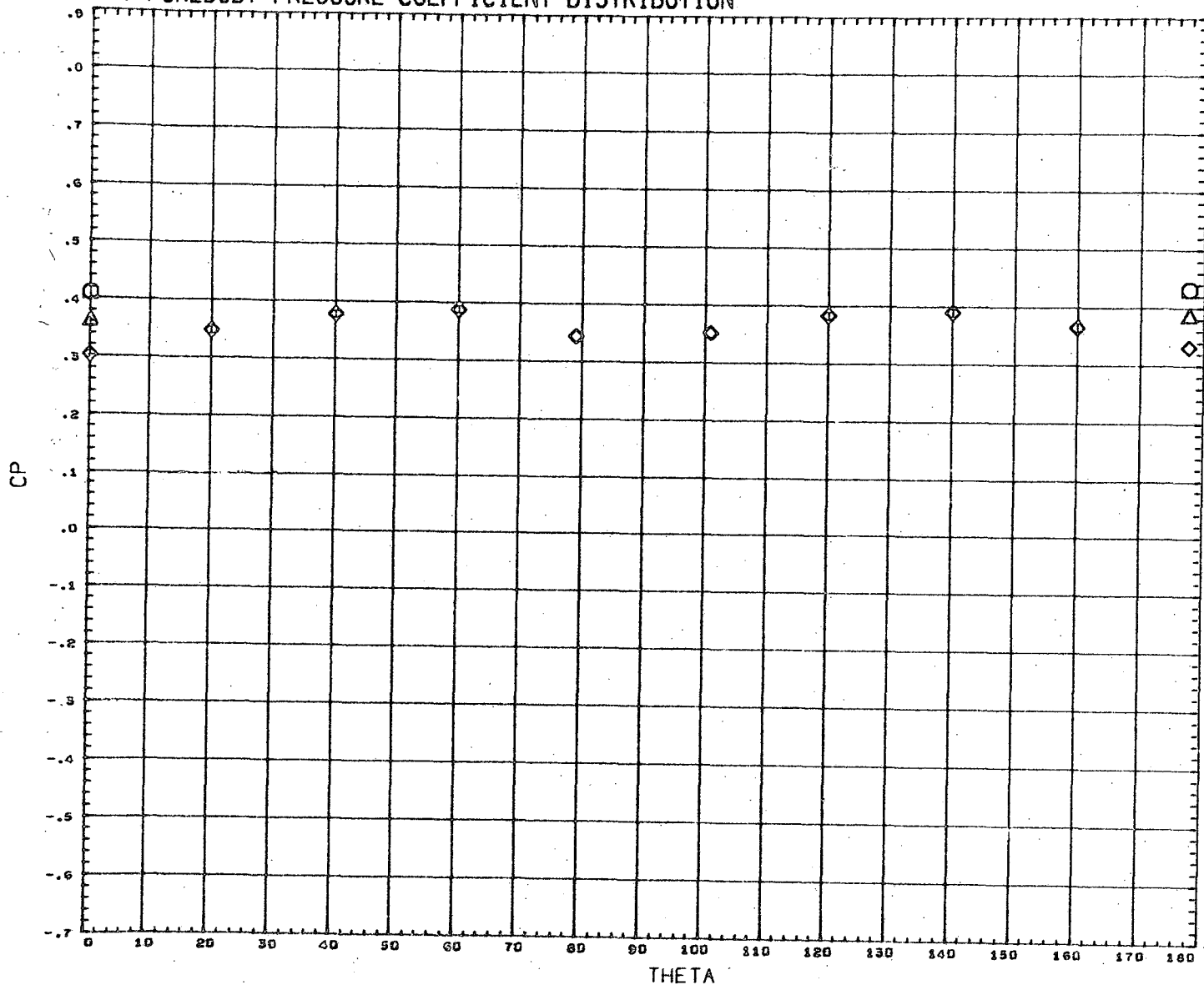
				THEIA						
SYMBOL	X/D	PRATIO	MACH				PARAMETRIC VALUES			
◇	0.527	831.960	1.240	SREF	572.557	50.IN.	E/DOOR	0.000	ALPHA	0.004
◇	0.505			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	0.468			BREF	27.000	INCHES				
◇	0.431			XMRP	0.000	DIACTR				
◇	0.394			YMRP	0.000	DIACTR				
◇	0.357	DBVBBB66.FLGE	CCSD TW-AP-70-448	ZMRP	0.000	DIACTR				

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



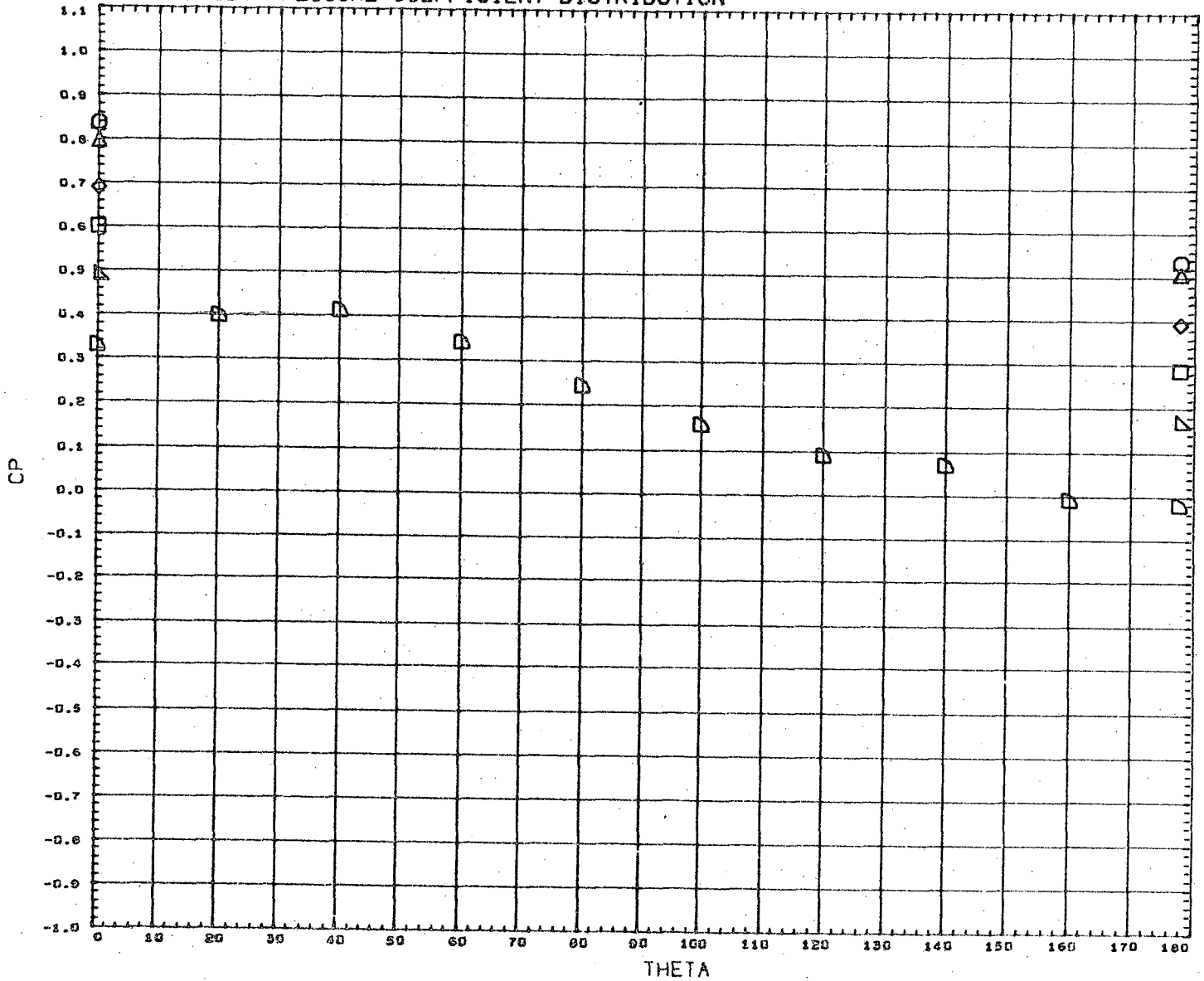
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.320	0.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	0.282			59. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000
◇	0.260											

0870R000E.F002E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7140)

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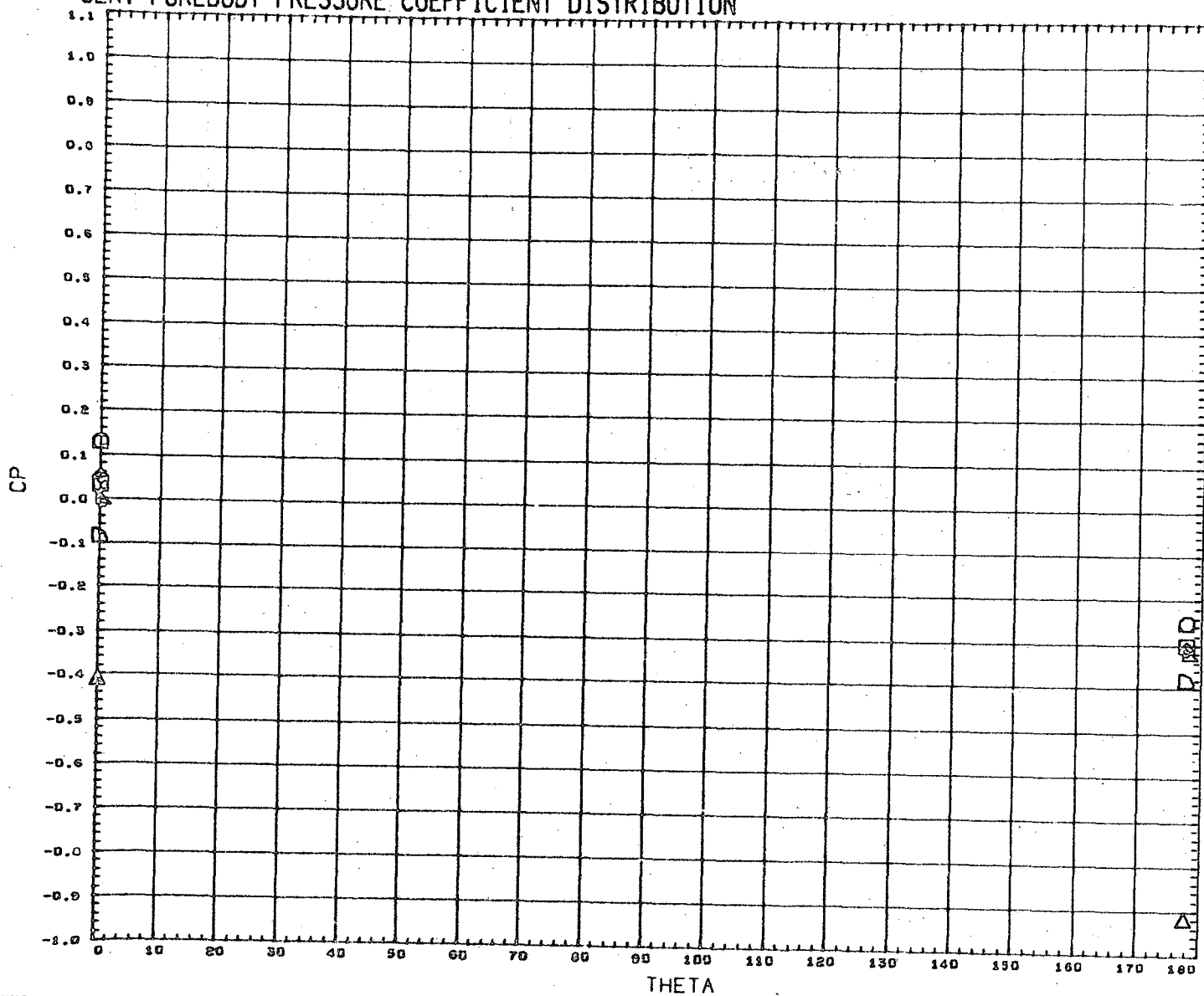
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES
○	0.736	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	0.699			BREF	27.000	INCHES	PC 402.996	WS/WFC 0.000
◇	0.662			XHRF	0.000	DIAMTR		
◊	0.625			YHRF	0.000	DIAMTR		
◑	0.588			ZHRF	0.000	DIAMTR		
◒	0.551	00000000.FL00E	CCSD TN-AP-70-440					

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



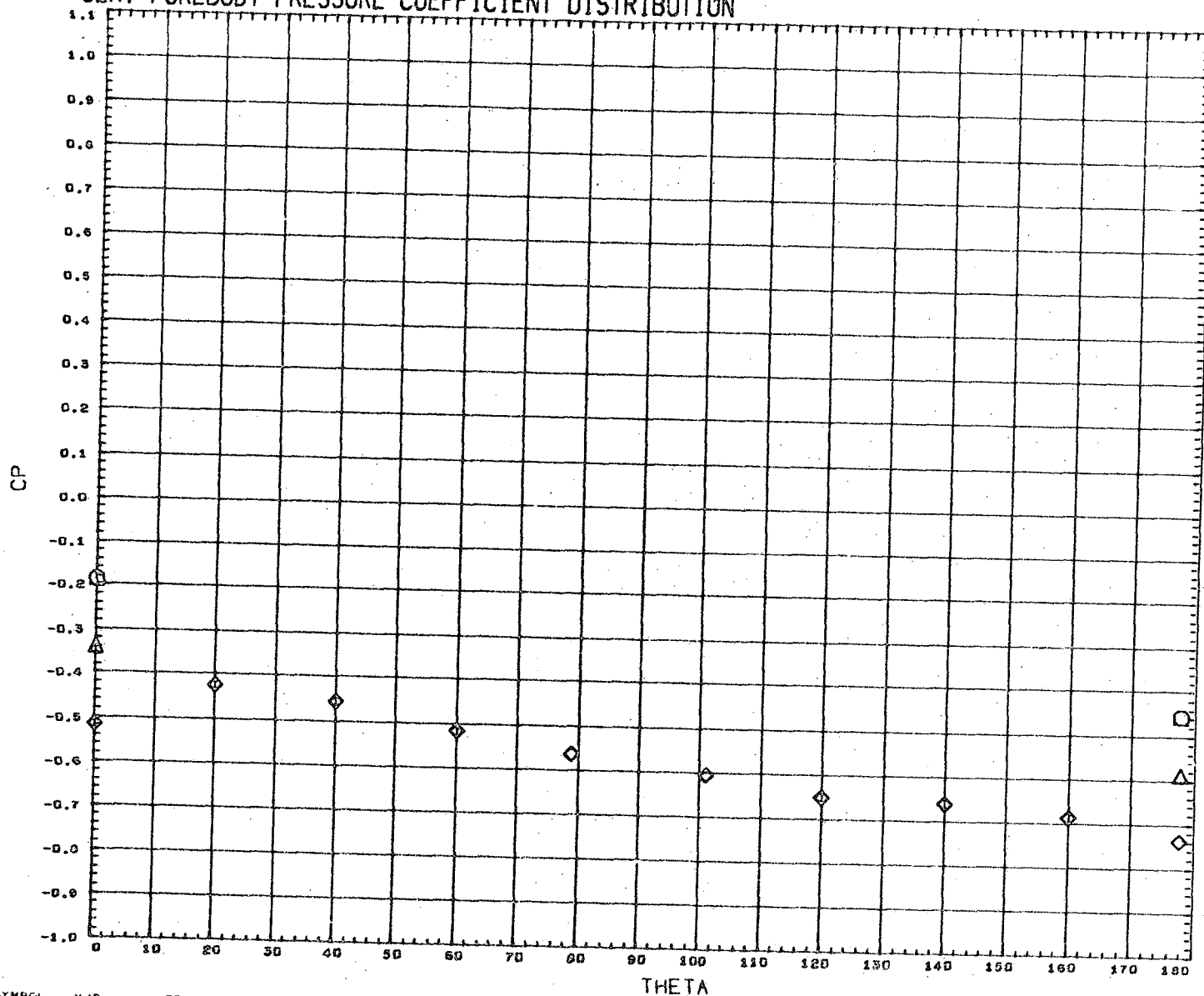
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	8.022	0.000
◇	0.527	202.083	0.599																			
◇	0.505																					
◇	0.460																					
◇	0.431																					
◇	0.394																					
◇	0.357	000848068.FE00E	CC09 TN-AP-70-449																			

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(AT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

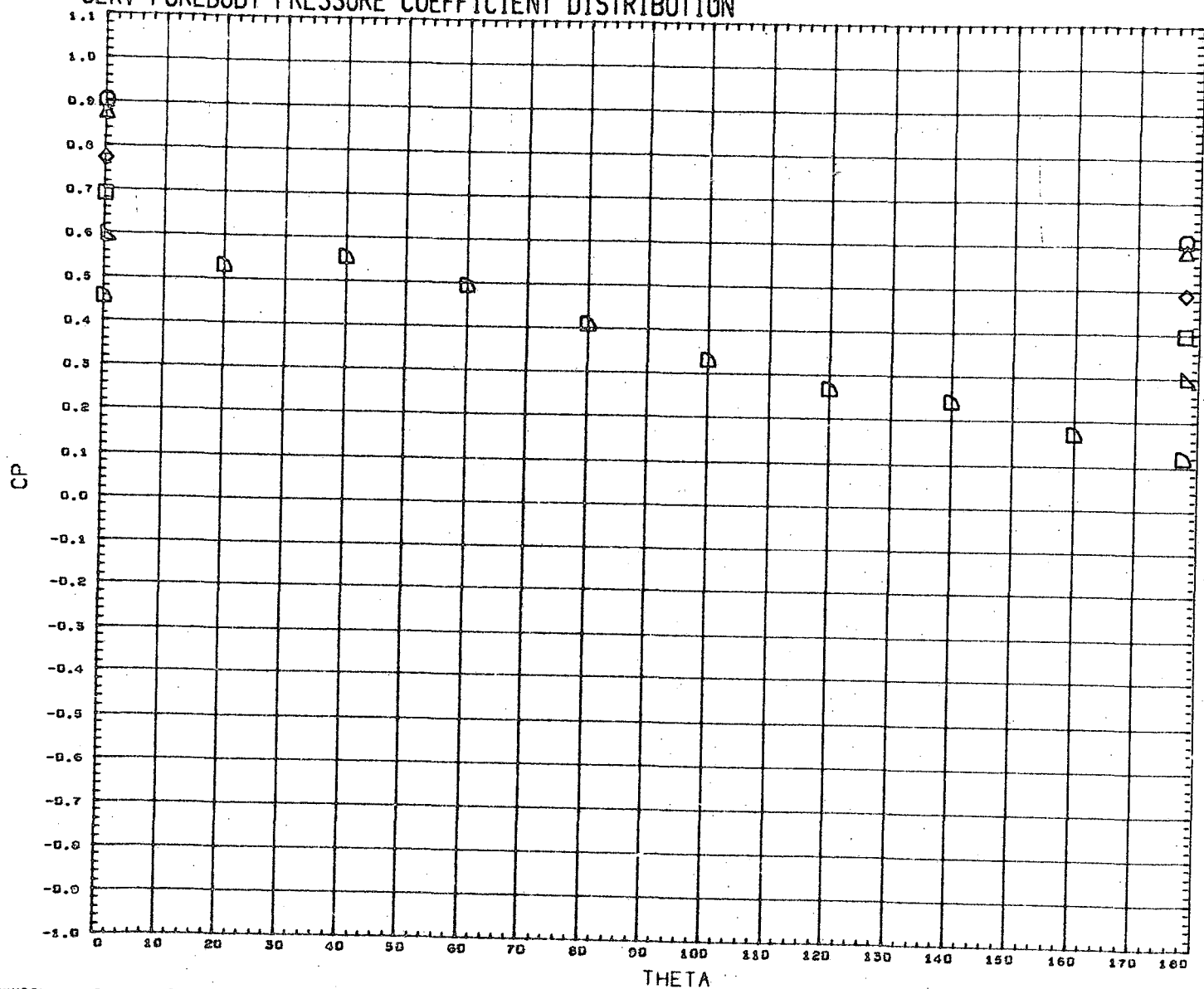


SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PARAMETRIC VALUES	E/DOOR	FC	ALPHA	WS/WFC
○	0.320	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	59.12	1.50	1.50	0.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000
△	0.282																			
◇	0.260																			

DATA SOURCE: FEGEE CCSD TN-AP-70-445

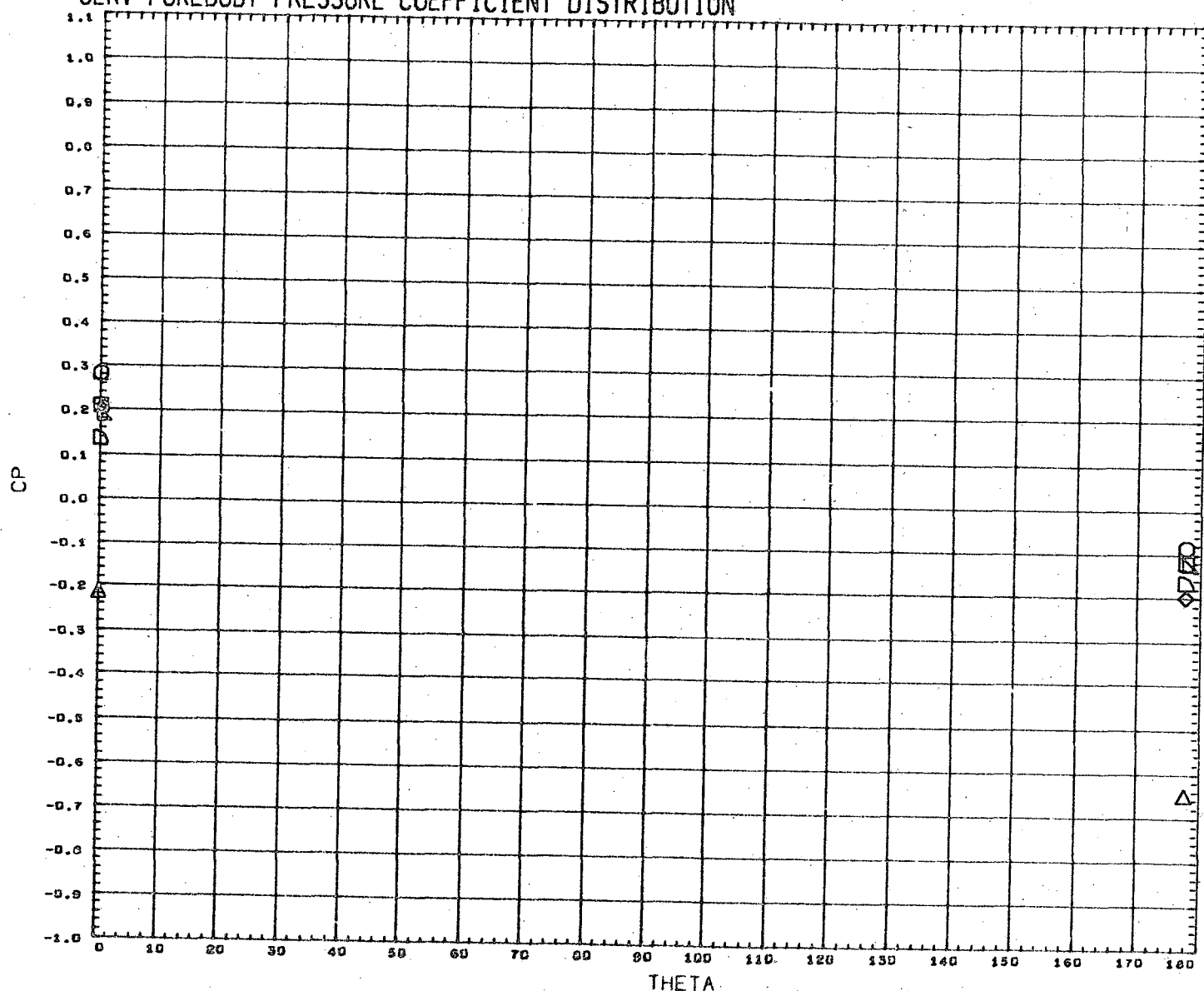
AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/C	PRATIO	MACH	SREF	572.557	58.1N.	E/DOOR	PARAMETRIC VALUES		
◇	0.736	299.500	0.801	LREF	27.000	INCHES	PC	0.000	ALPHA	8.022
◇	0.699			BREF	27.000	INCHES		402.996	WS/WFC	0.000
◇	0.662			XMRP	0.000	DIAMTR				
◇	0.625			YMRP	0.000	DIAMTR				
◇	0.588			ZMRP	0.000	DIAMTR				
◇	0.551	BODY/DOOR/FIELD		CCSD TN-AP-70-449						

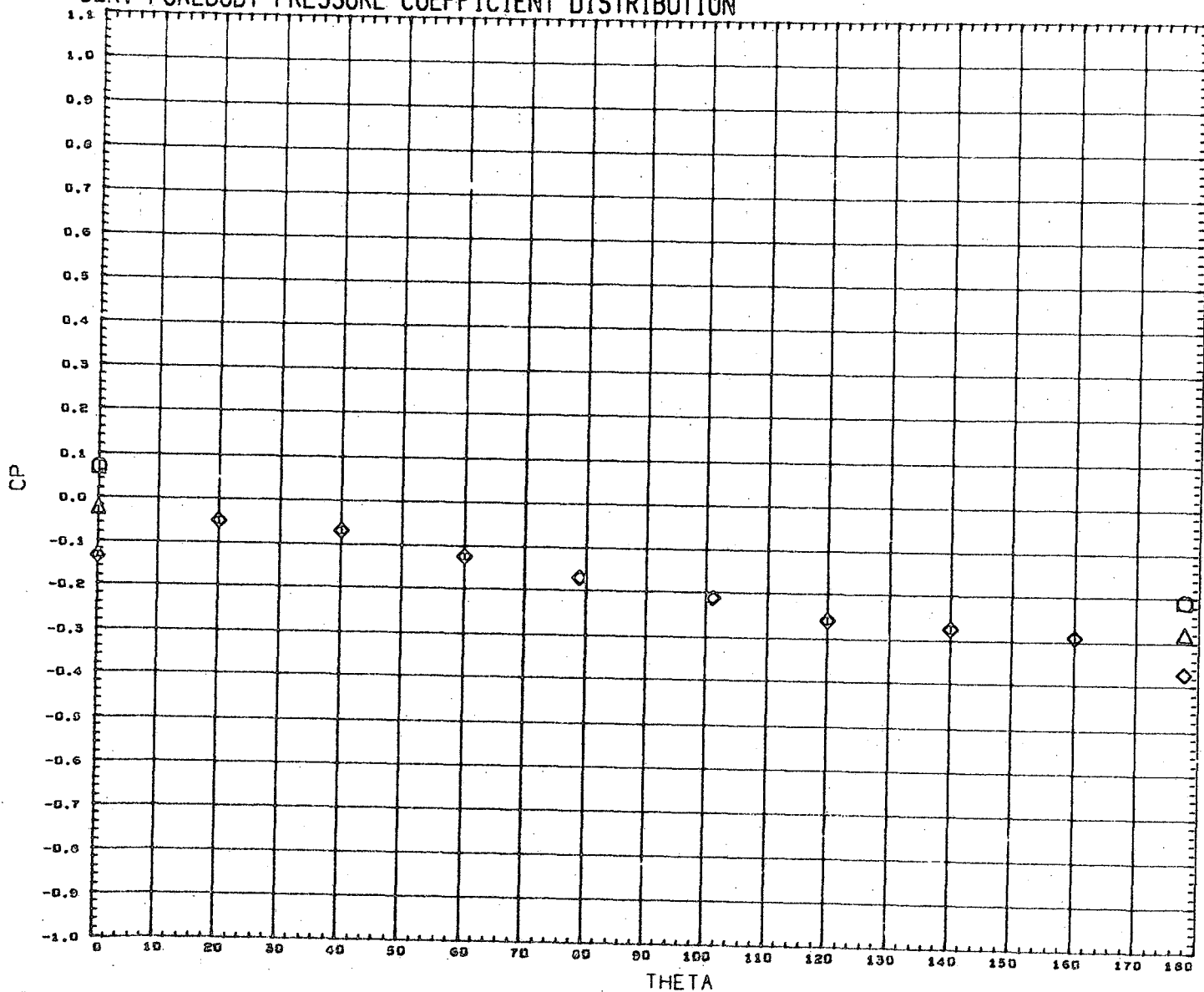
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



THE TA														
SYMBOL	X/D	PRATIO	MACH	PARAMETRIC VALUES										
○	0.527	299.500	0.801	SREF	572.557	SG. IN.	E/DOOR	0.000	ALPHA	8.022				
◇	0.505			LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000				
△	0.468			BREF	27.000	INCHES								
□	0.431			XMRP	0.000	DIAMTR								
▽	0.394			YMRP	0.000	DIAMTR								
◇	0.357	BARBROSS.FECS	CCSD TN-AP-70-443	ZMRP	0.000	DIAMTR								

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH
○	0.320	299.500	0.001
△	0.292		
◇	0.260		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

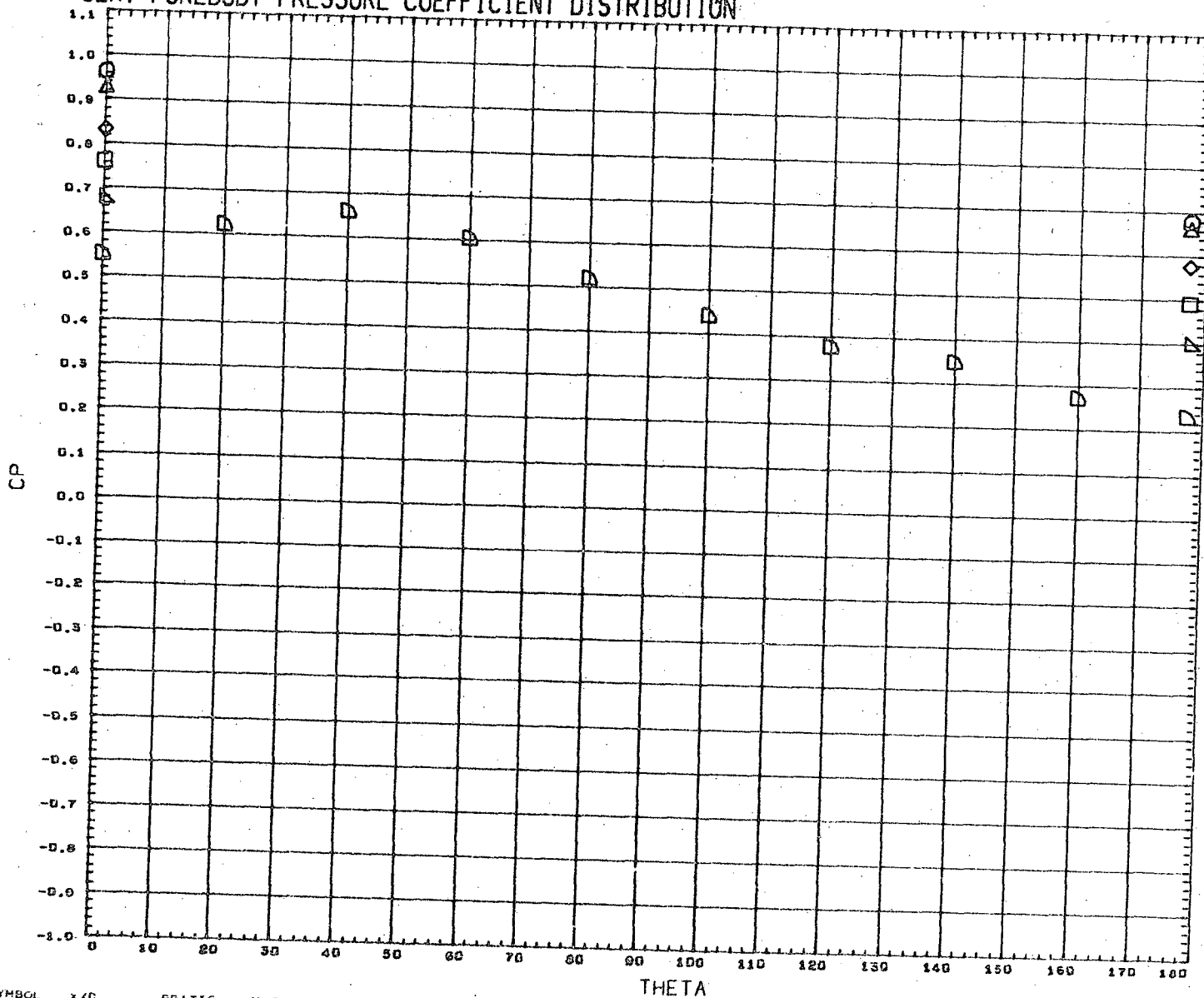
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	402.996	WS/WFC
		0.000

00000000.F002E CCSD TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

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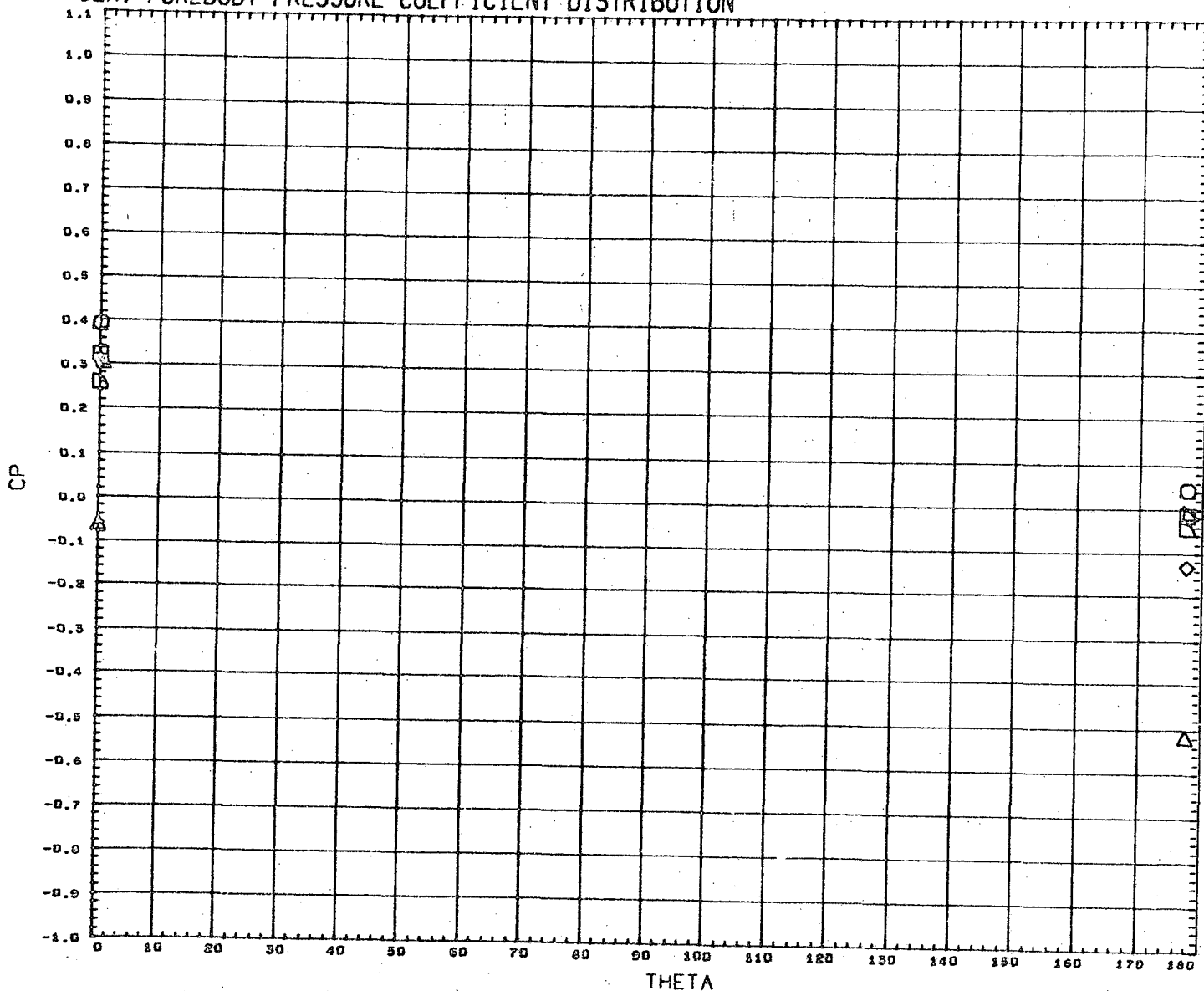
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	50.IN.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.022	0.000
○	0.736	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	58.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	402.996	0.000	0.000	0.000	0.000
△	0.699																					
◇	0.662																					
□	0.625																					
◇	0.588																					
○	0.551	0078R0068.FC08E	CC80 TN-AP-7D-449																			

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



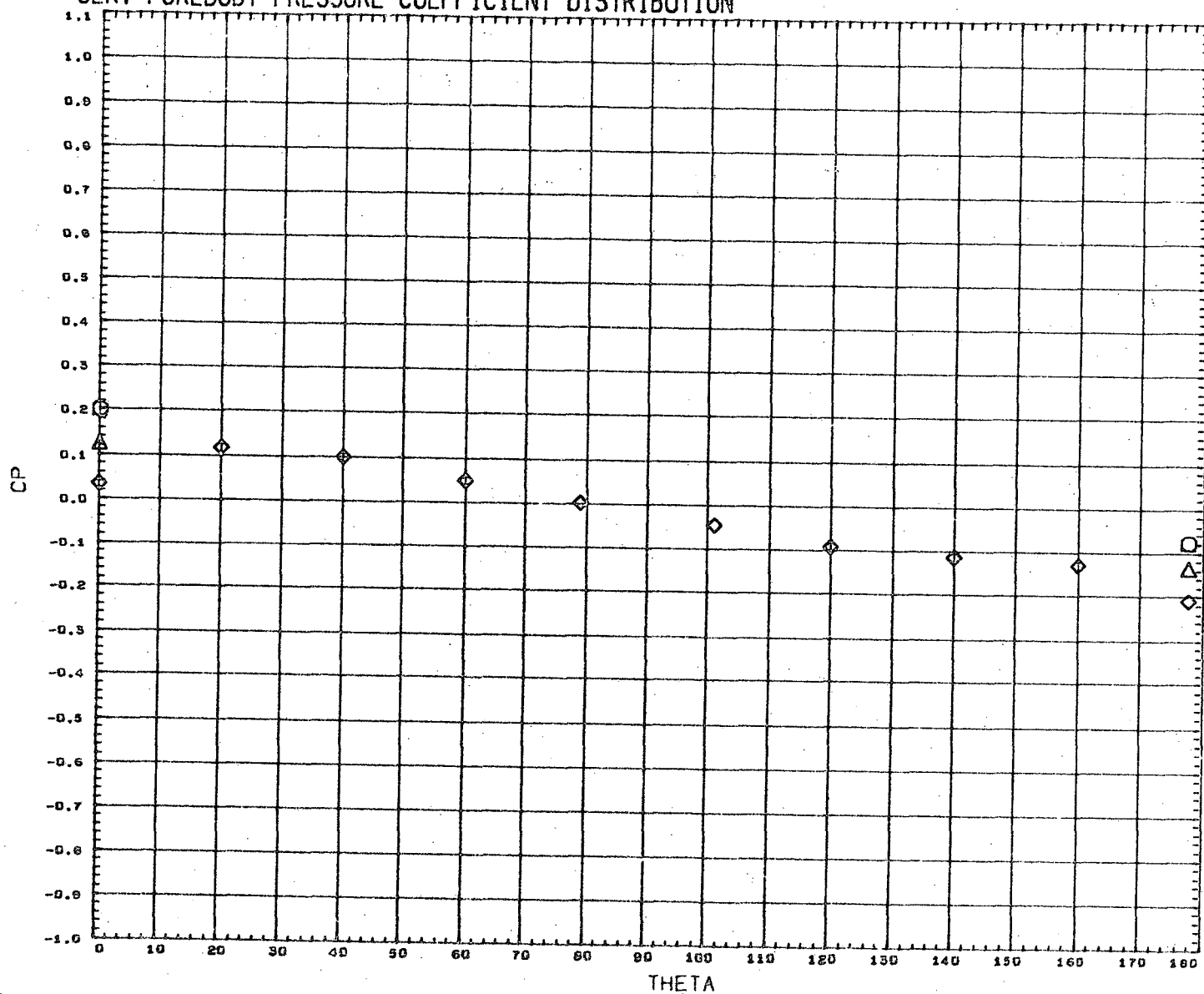
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.022
◇	0.505			50. IN.	27.000	27.000	0.000	0.000	0.000	PC 402.996 WS/WFC 0.000
□	0.468			INCHES						
△	0.431			DIAMTR						
▽	0.394			DIAMTR						
◇	0.357			DIAMTR						

BD7DRB068.FCCE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



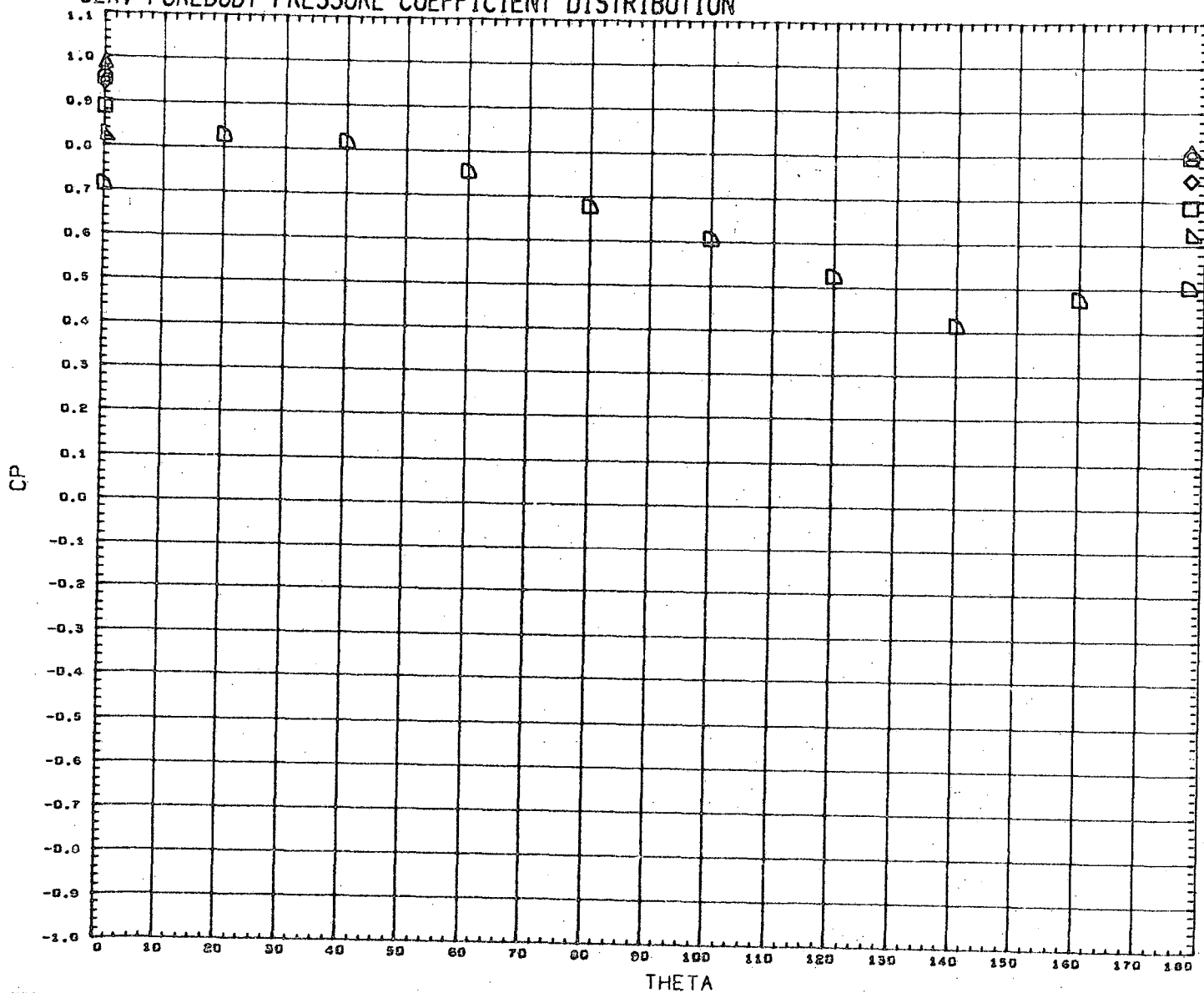
SYMBOL	X/D	FRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.320	398.487	0.899	LREF	27.000	INCHES	PC	0.000	ALPHA 8.022
△	0.202			BREF	27.000	INCHES		402.996	WS/WPC 0.000
◇	0.260			XMRP	0.000	DIAHTR			
				YMRP	0.000	DIAHTR			
				ZMRP	0.000	DIAHTR			

DATA8886.FCL2E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

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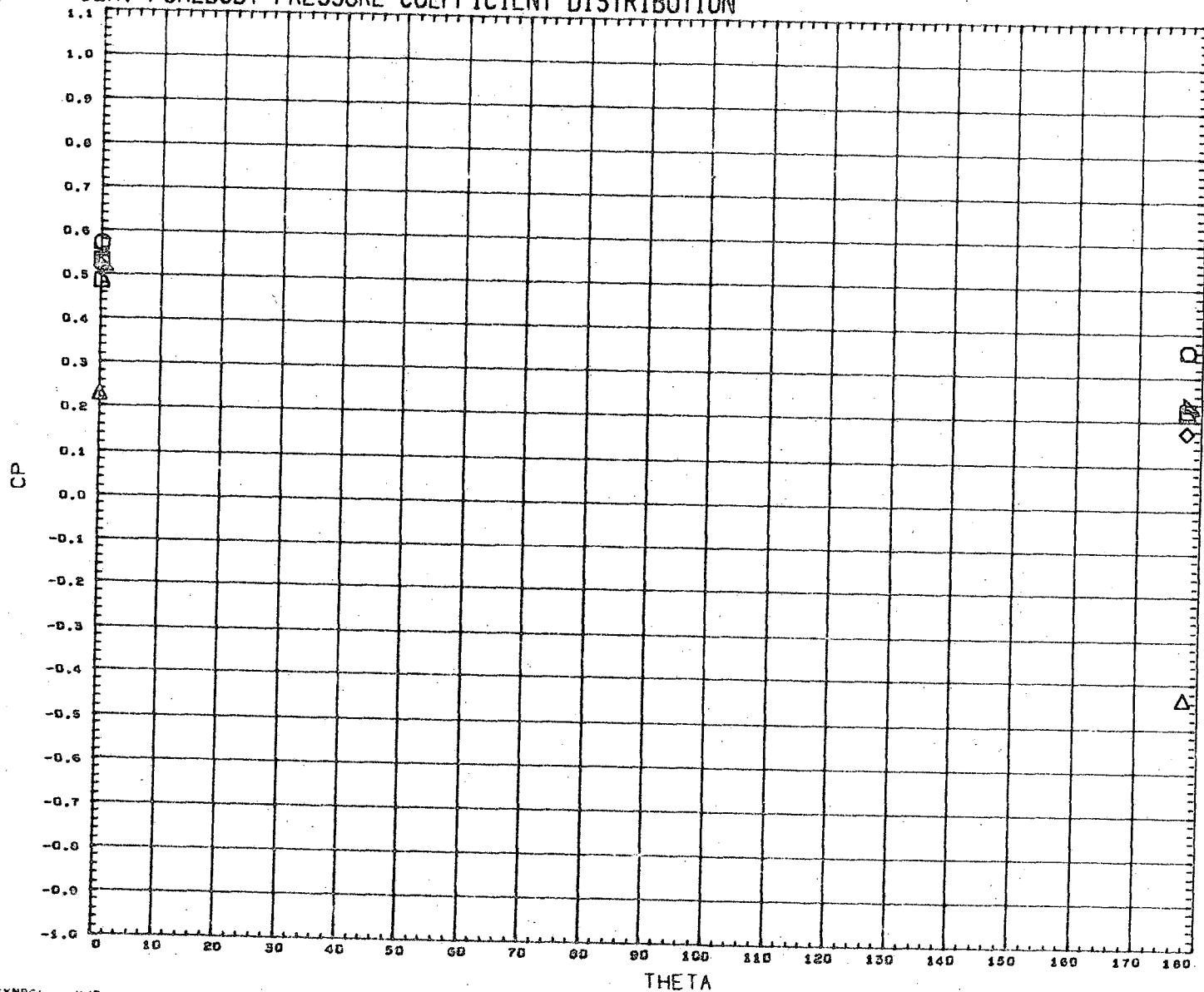
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	0.022	0.000
○	0.736	402.407	1.100	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	402.996	0.000	0.000	0.000	0.000
◇	0.699																					
△	0.662																					
□	0.625																					
▽	0.588																					
◇	0.551	00000000.F000E	CCSD TN-AP-70-449																			

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

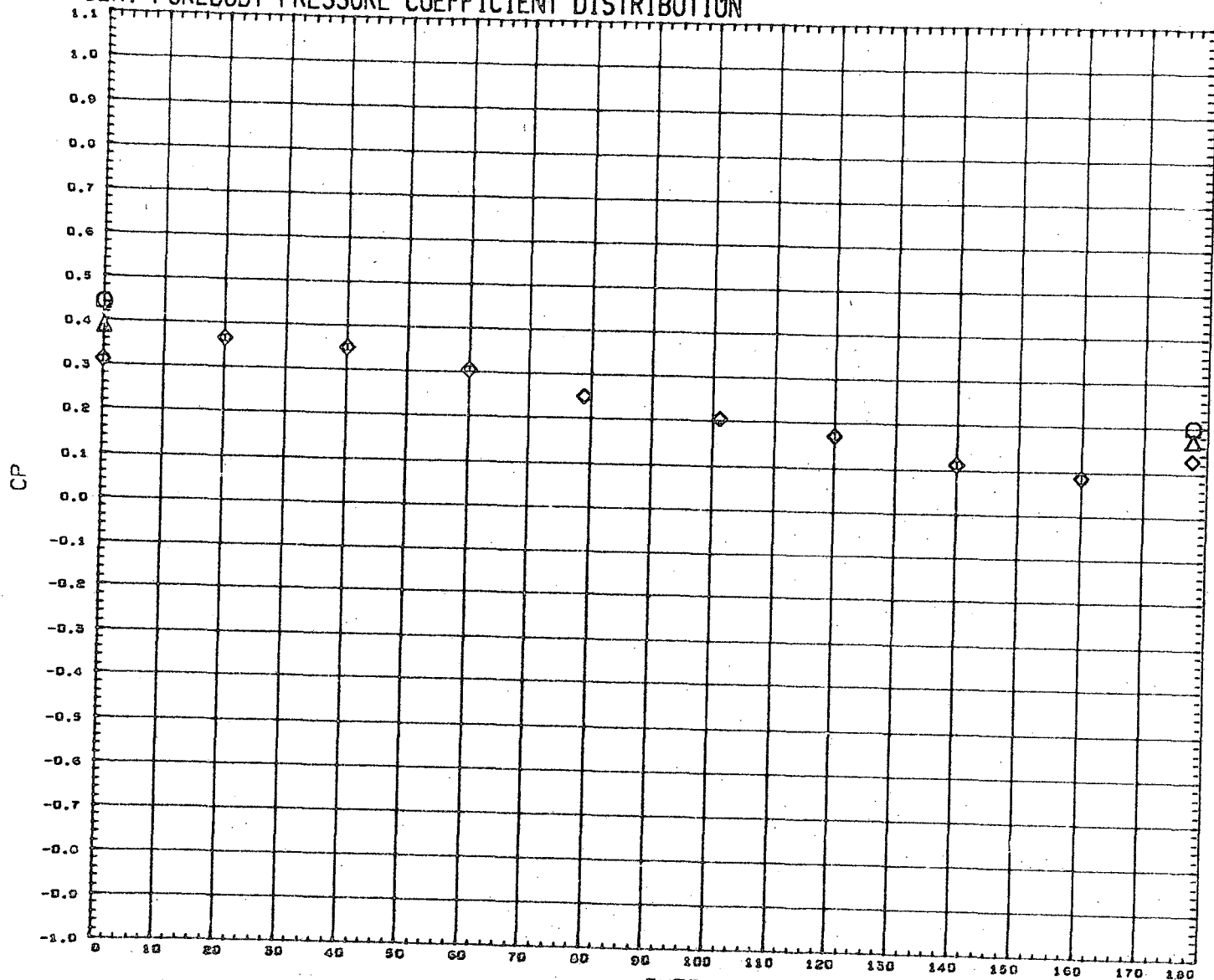
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	PARAMETRIC VALUES			
○	0.527	402.407	1.100	SREF	572.557	SQ. IN.	E/DOOR
◇	0.505			LREF	27.000	INCHES	PC
△	0.468			BREF	27.000	INCHES	
□	0.431			XMRP	0.000	DIAMTR	
▽	0.394			YMRP	0.000	DIAMTR	
◇	0.357			ZMRP	0.000	DIAMTR	

BS758886.FICBE CC80 TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL X/D PRATIO MACH
 ○ 0.320 402.407 1.100
 △ 0.282
 ◇ 0.260

SREF 572.557 SB.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

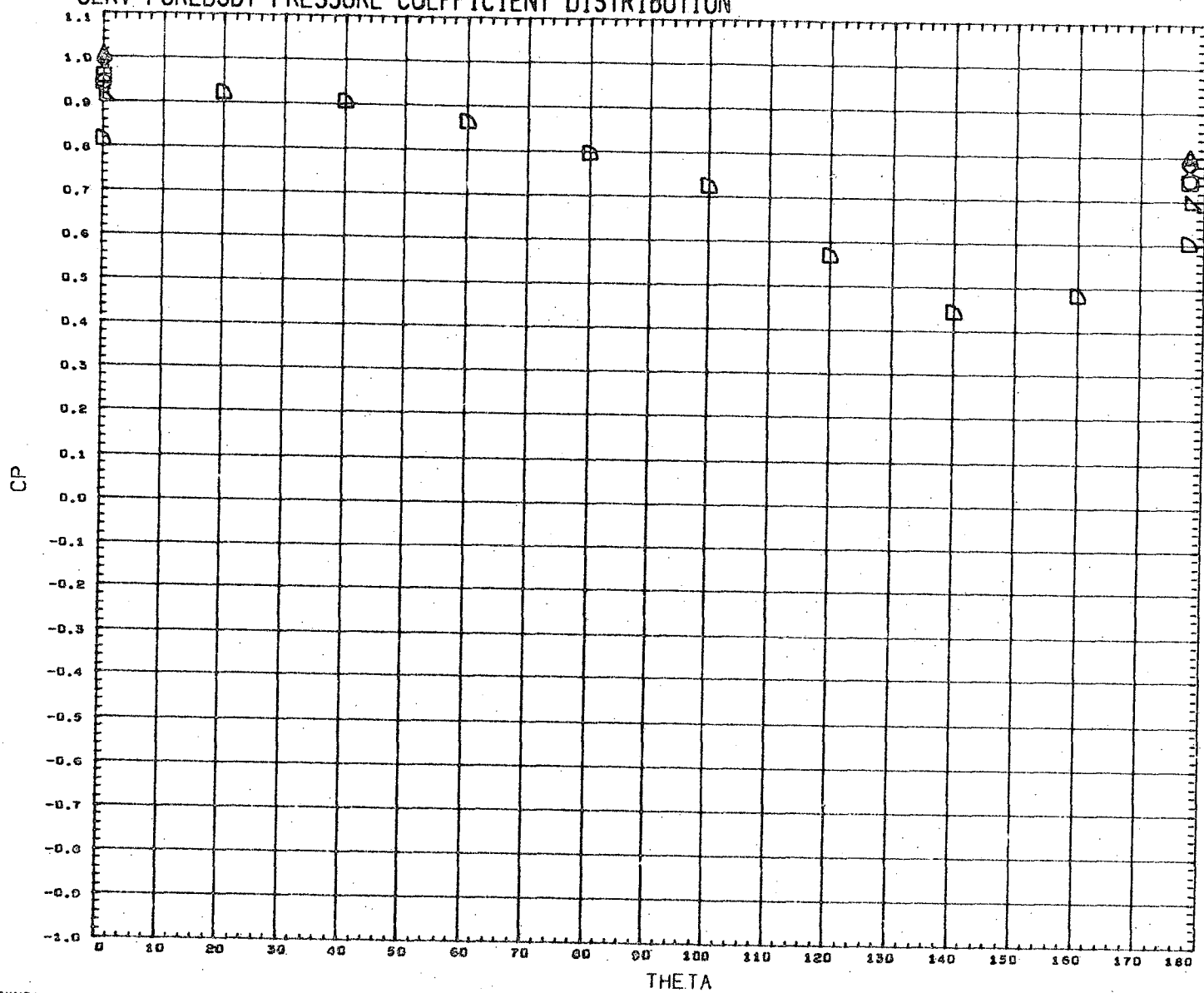
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

88FDRB062.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (AT7148)

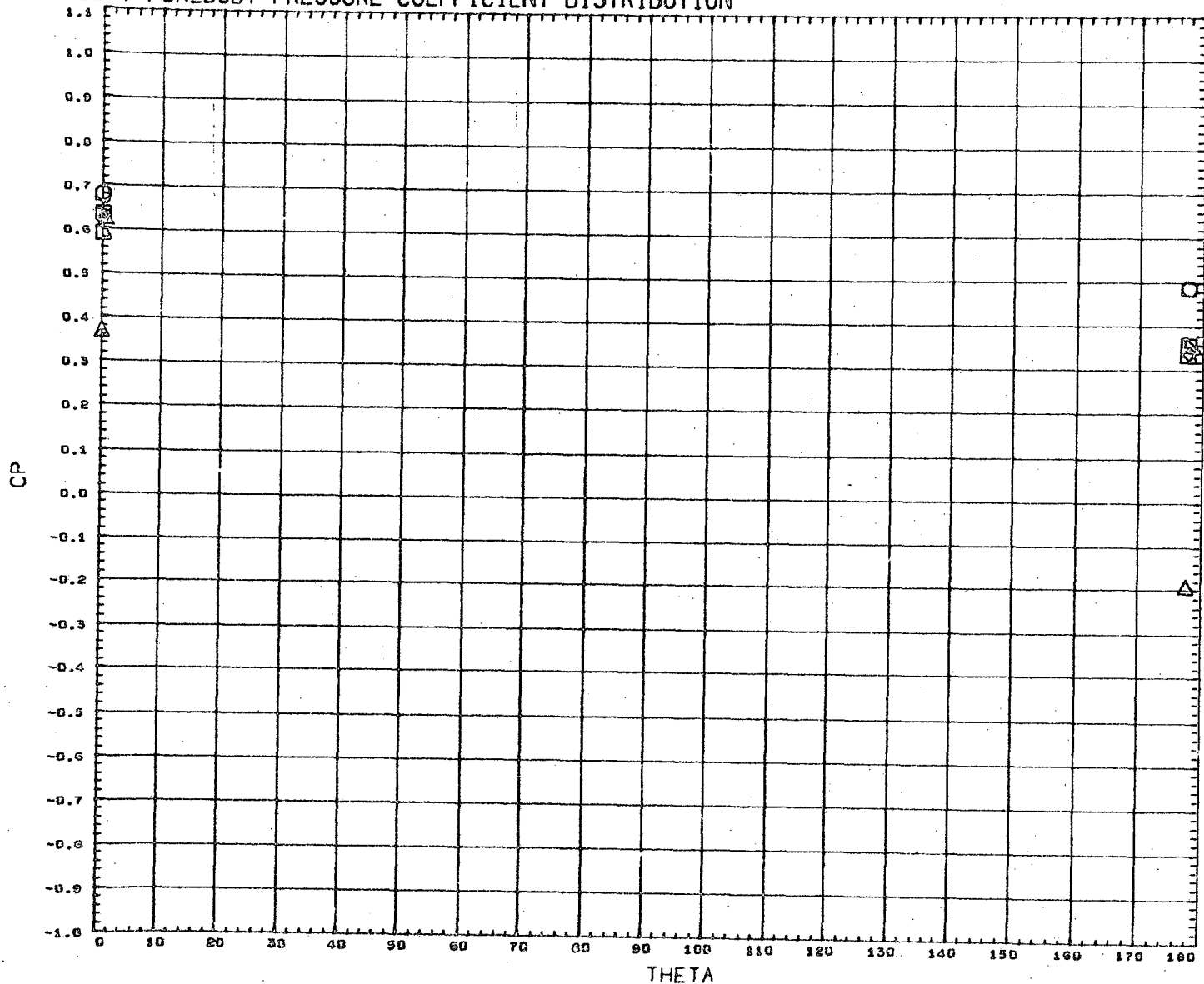
PAGE 151

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



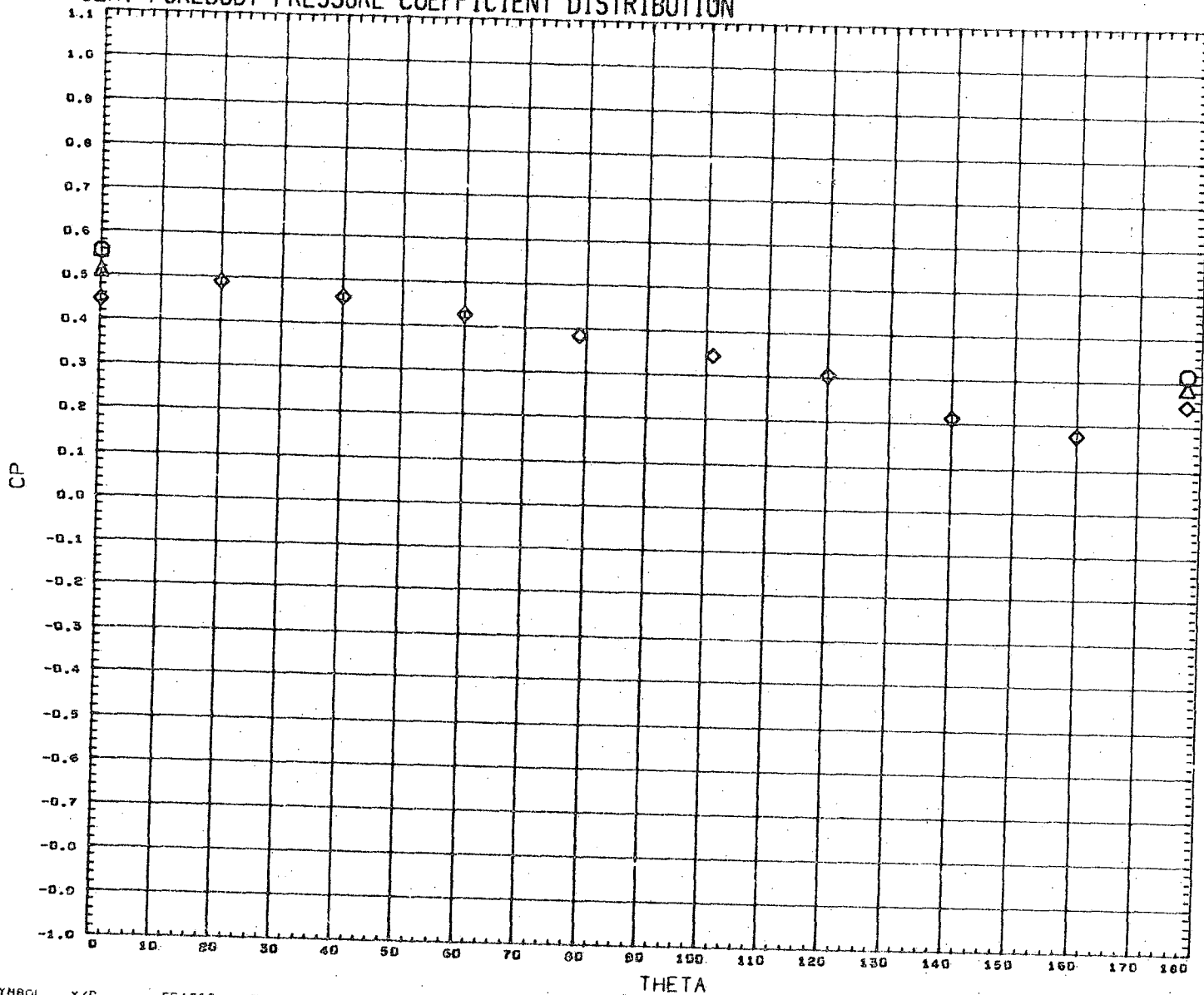
SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES						
○	0.736	400.737	1.253	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	8.022
◇	0.699			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
□	0.662			BREF	27.000	INCHES				
▤	0.625			XMRP	0.000	DIAMTR				
▥	0.588			YMRP	0.000	DIAMTR				
▦	0.551	88888888.8888	CC80 TN-AP-70-449	ZMRP	0.000	DIAMTR				

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
◇	0.505									FC 402.996 WS/WFC 0.000
△	0.468									
□	0.431									
▽	0.394									
◇	0.357	00000000.0000	CCSD TH-AP-70-445							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



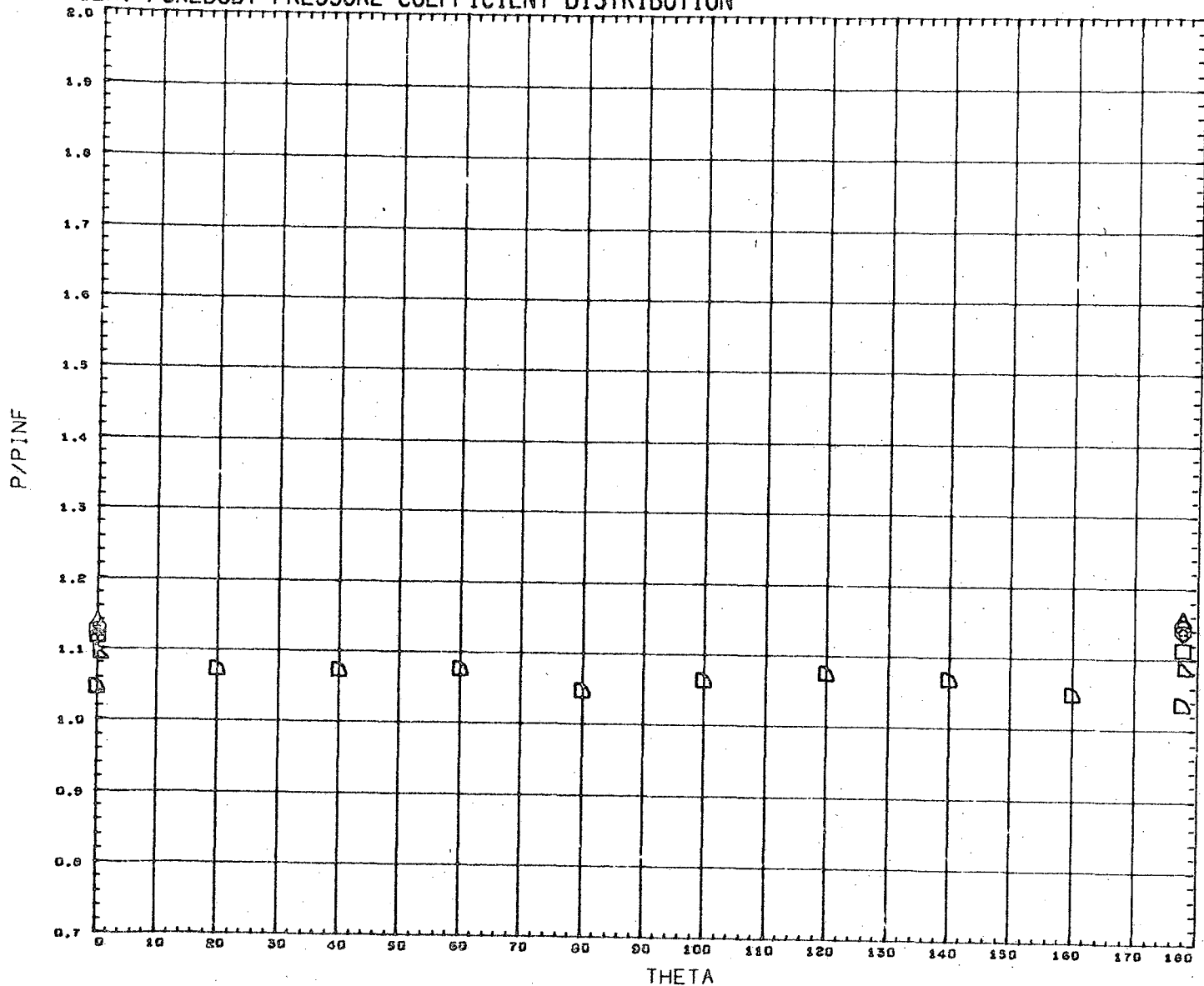
SYMBOL	X/D	FRATIO	MACH
○	0.320	400.737	1.253
△	0.202		
◇	0.260		

SREF	572.557	SQ.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	402.996	WS/WFC
		8.022
		0.000

00050000.FIC02E CC80 TN-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



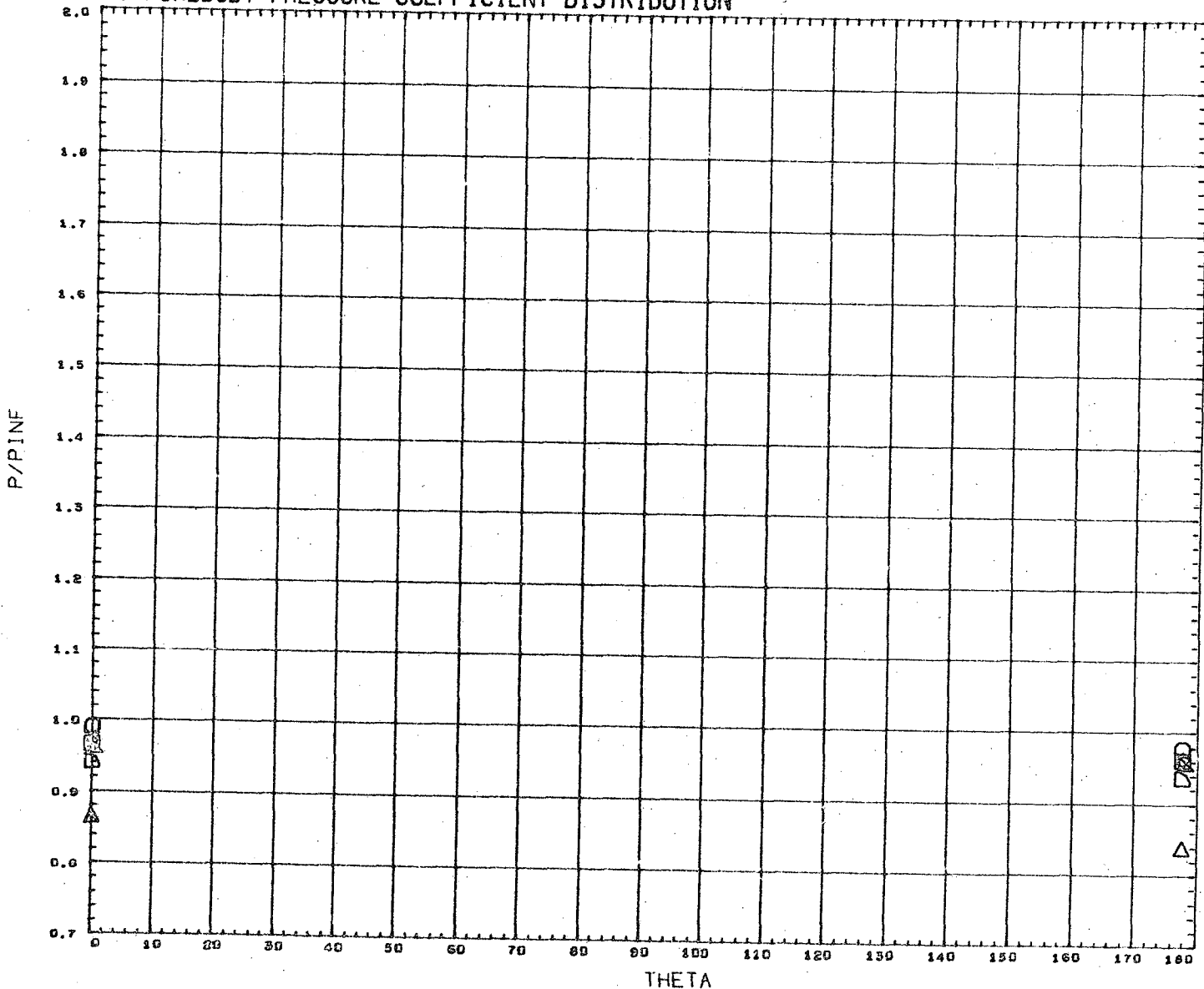
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.699			572.557	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	0.662									
□	0.625									
▢	0.588									
◇	0.551	807580068.FE03E	CC00 TN-AP-70-448							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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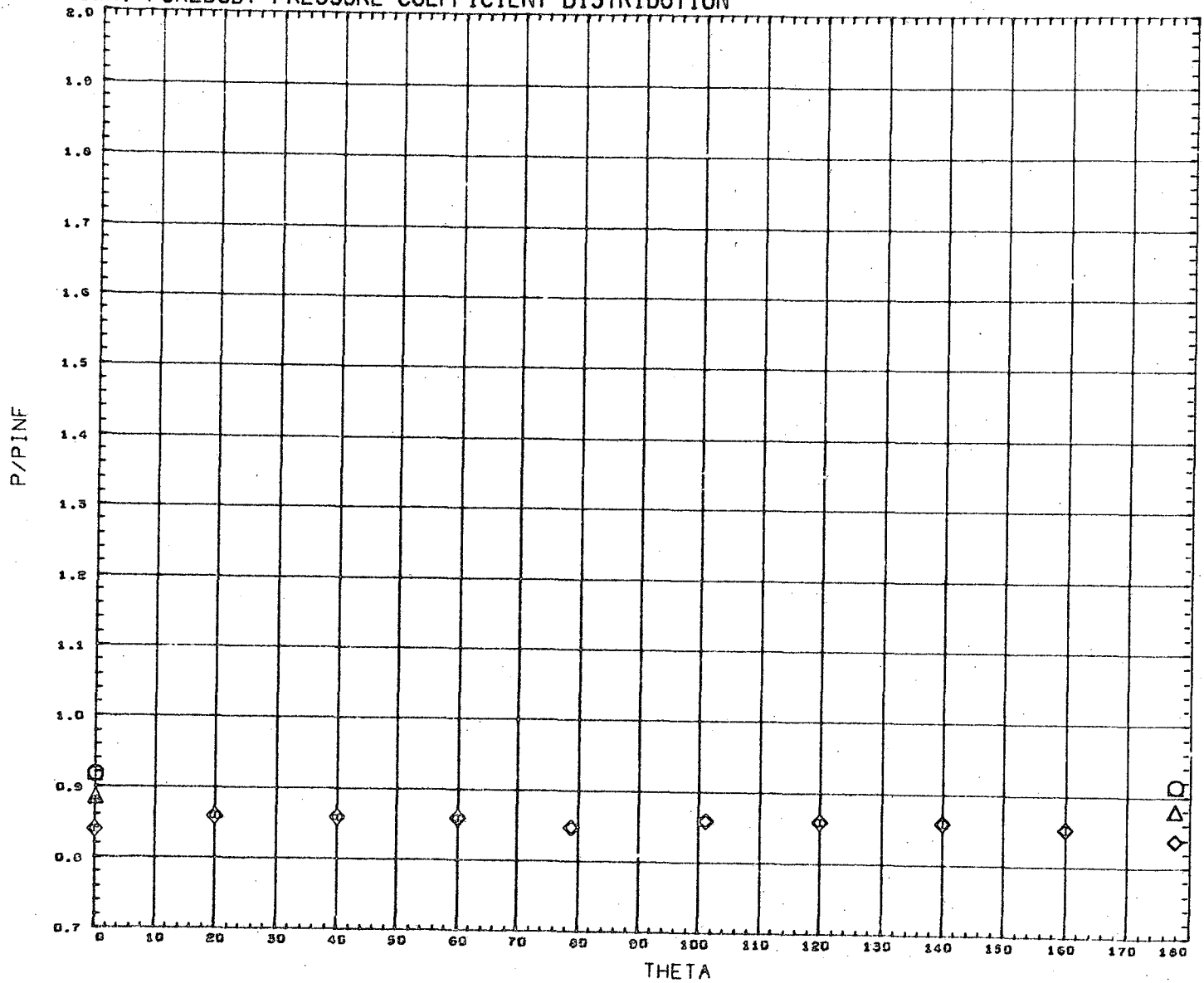
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
◇	0.527	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
◇	0.505			57.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000			
◇	0.468			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000			
◇	0.431			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000			
◇	0.394			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000			
◇	0.357			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000			
BARBROSE.FCL&E CCSD TH-AP-70-445														

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



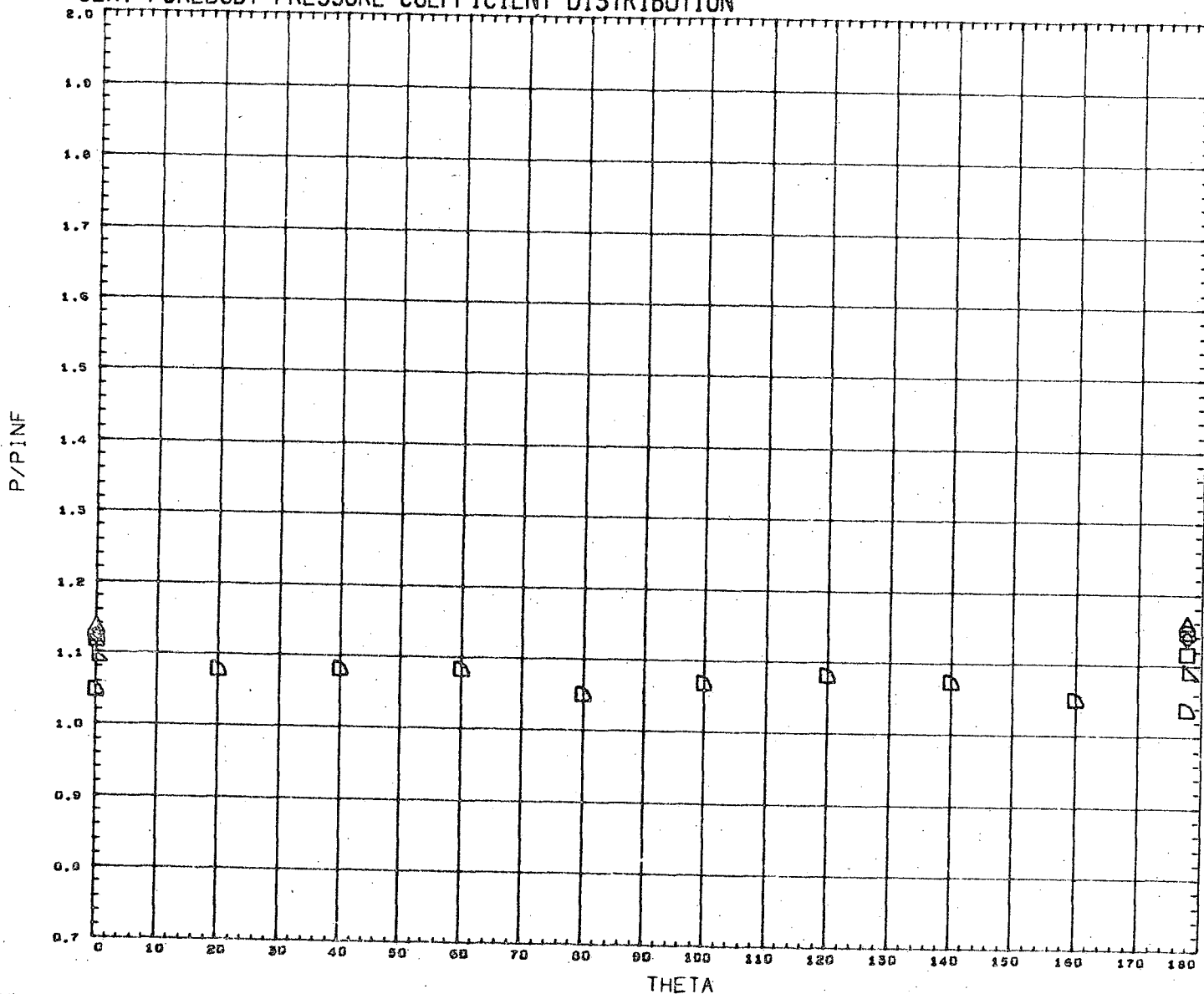
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WFC
○	0.320	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	0.202																			
◇	0.260																			

08708066.FCCBE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

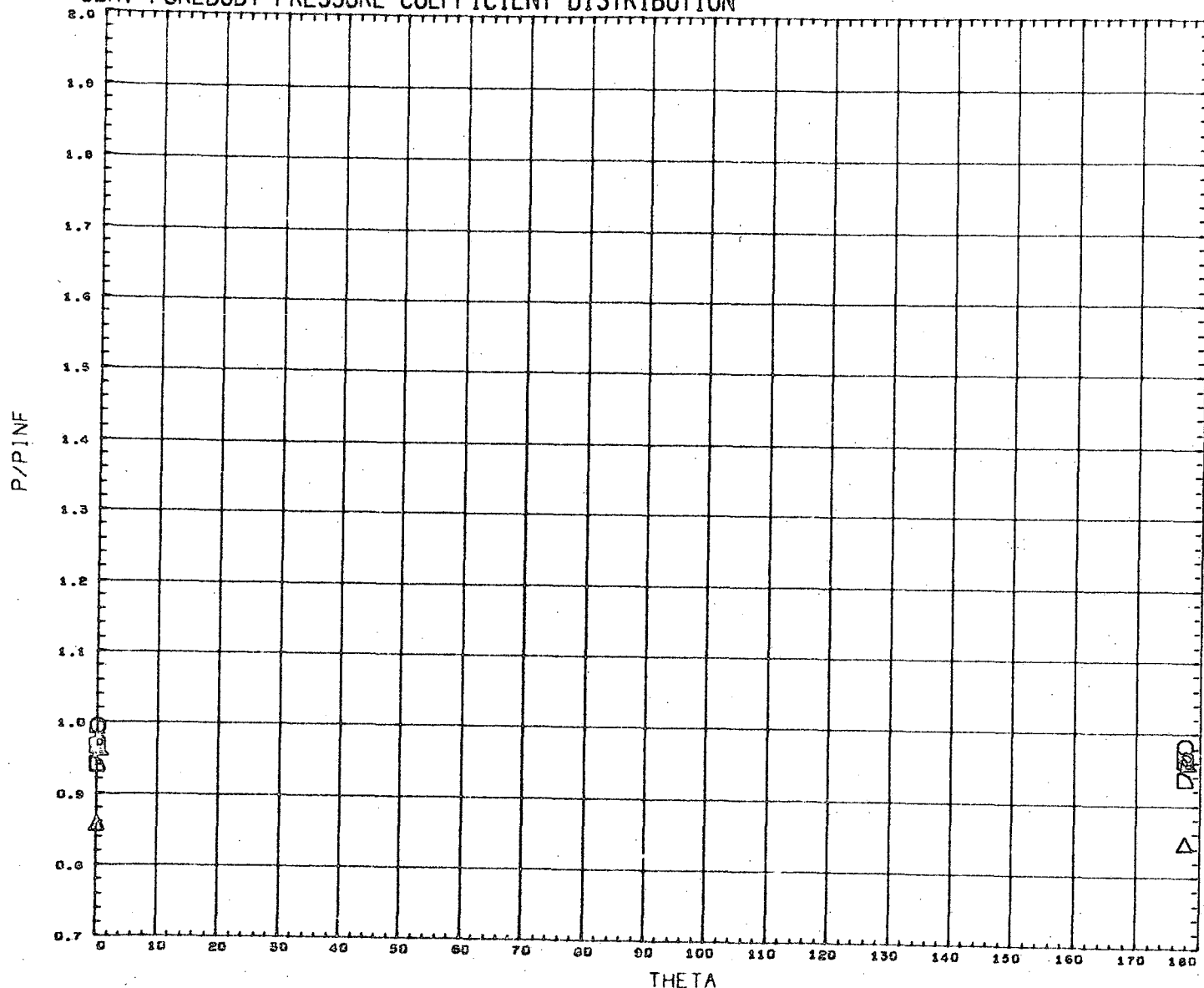
PAGE 157

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



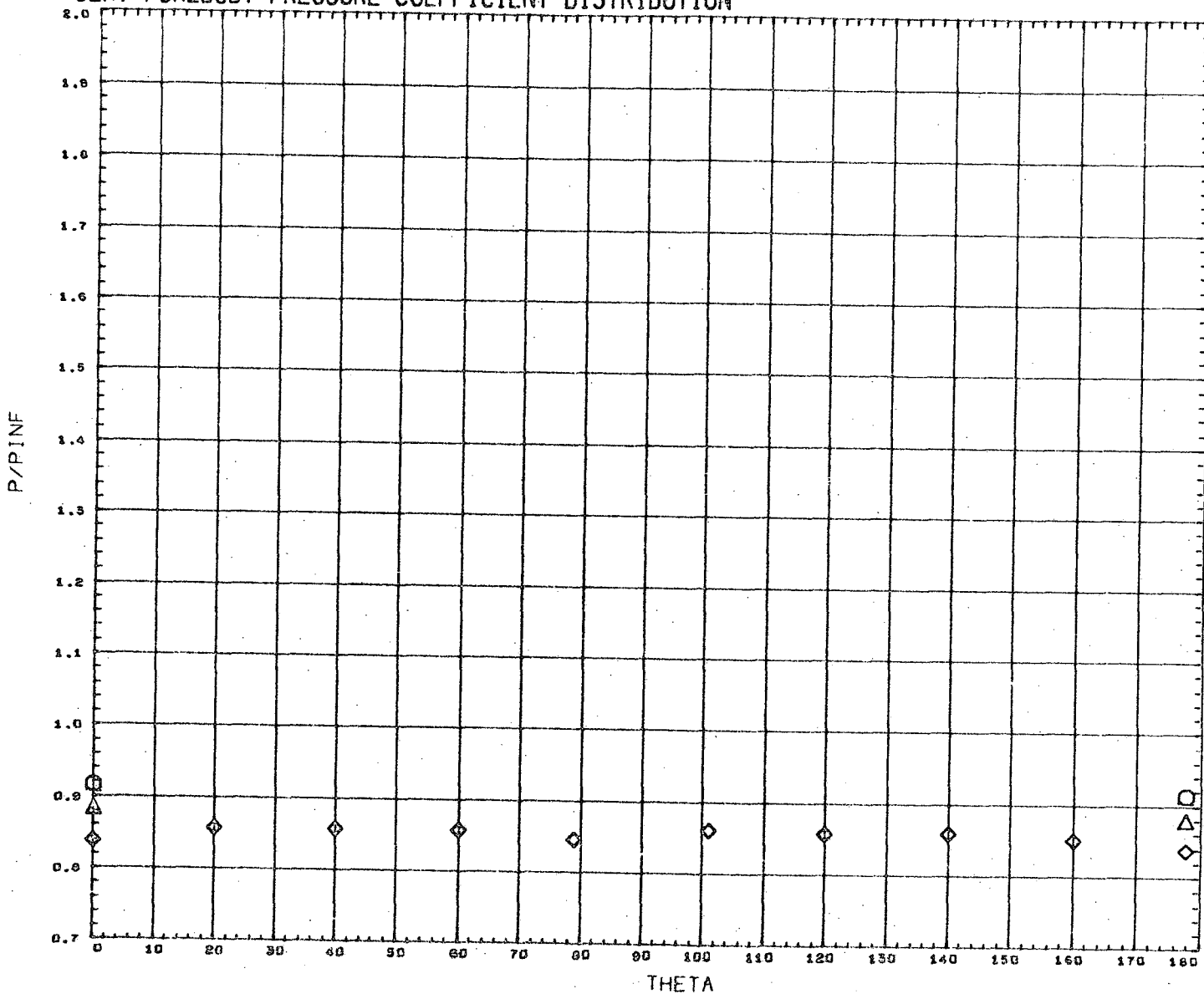
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
◇	0.736	401.290	0.598	LREF	27.000	INCHES	PC	0.000	ALPHA
◇	0.699			BREF	27.000	INCHES		404.679	WS/WFC
◇	0.662			XMRP	0.000	DIAMTR			0.000
◇	0.625			YMRP	0.000	DIAMTR			
◇	0.588			ZMRP	0.000	DIAMTR			
◇	0.551	SERVFOREBODY.FCCE CCSD TN-AP-70-445							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES						
◇	0.527	401.290	0.598	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
◇	0.505			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	0.468			BREF	27.000	INCHES				
◇	0.431			XMRP	0.000	DIAMTR				
◇	0.394			YMRP	0.000	DIAMTR				
◇	0.357	BS78RBDG8.FCC2E	CC80 TN-AP-70-445	ZMRP	0.000	DIAMTR				

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



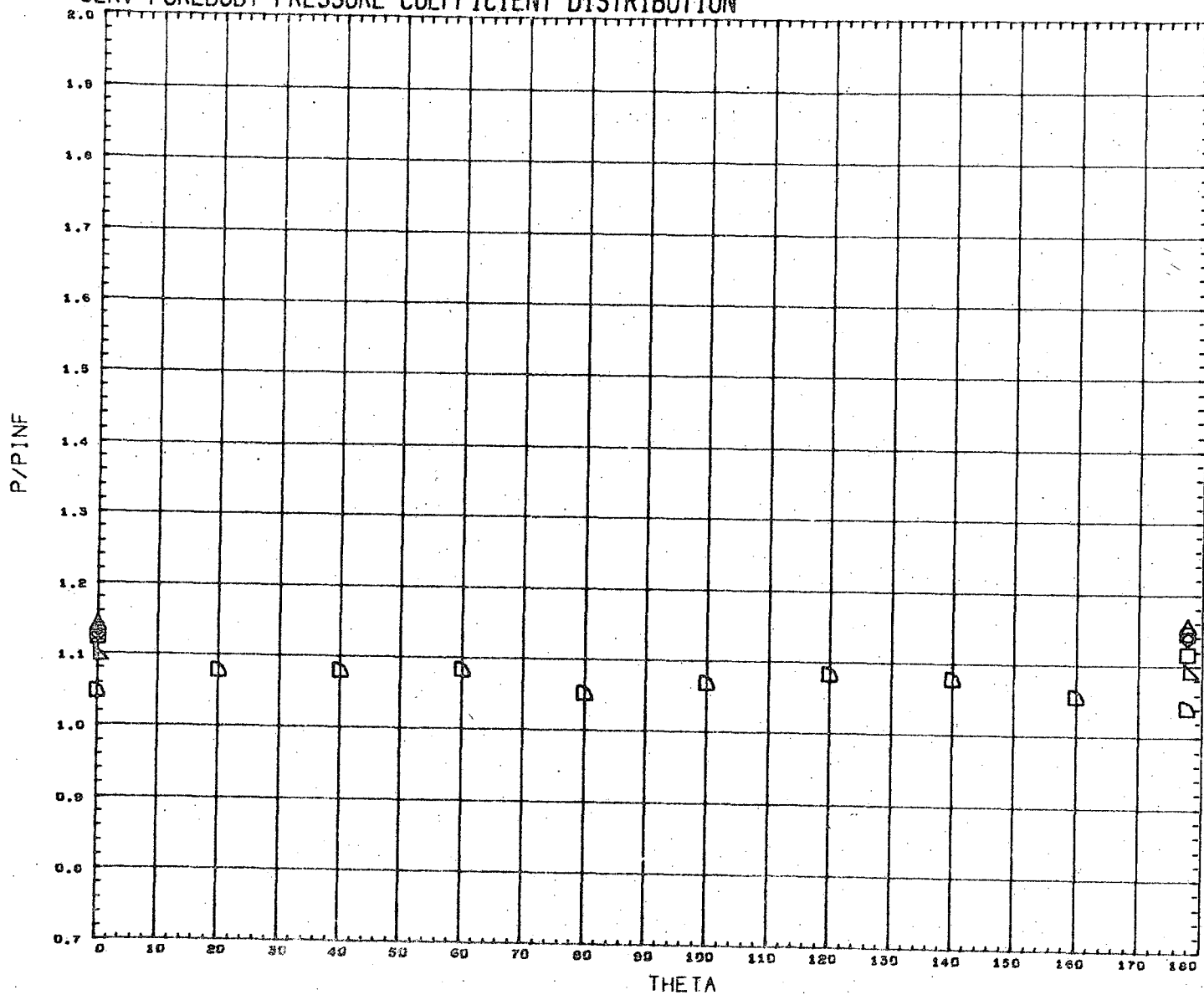
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES
○	0.325	401.290	0.598	LREF	27.000	INCHES	0.000	ALPHA 0.004
△	0.202			BREF	27.000	INCHES	FC	WS/WFC 0.000
◇	0.260			XNRP	0.000	DIAMTR		
				YNRP	0.000	DIAMTR		
				ZNRP	0.000	DIAMTR		

DATA SOURCE: F6CCE CCSD TN-AP-70-443

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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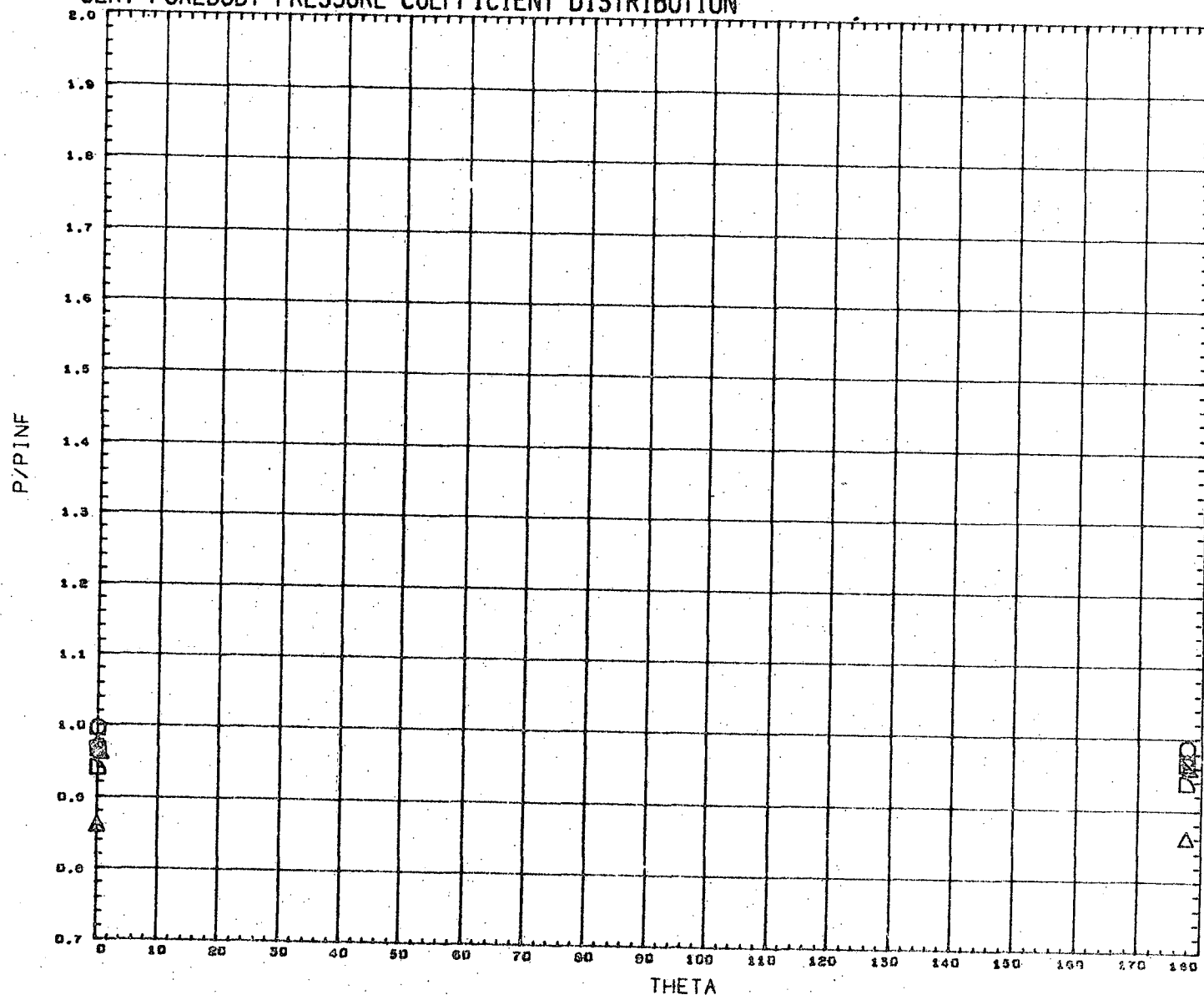
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
△	0.736	578.683	0.598	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
□	0.699			BREF	27.000	INCHES		404.679	WS/WPC 0.000
◇	0.668			XNRF	0.000	DIAMTR			
▽	0.625			YNRF	0.000	DIAMTR			
◇	0.588			ZNRF	0.000	DIAMTR			
◇	0.551	0.578683.FC02E	CCSD TN-AP-70-445						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY. (BT7140)

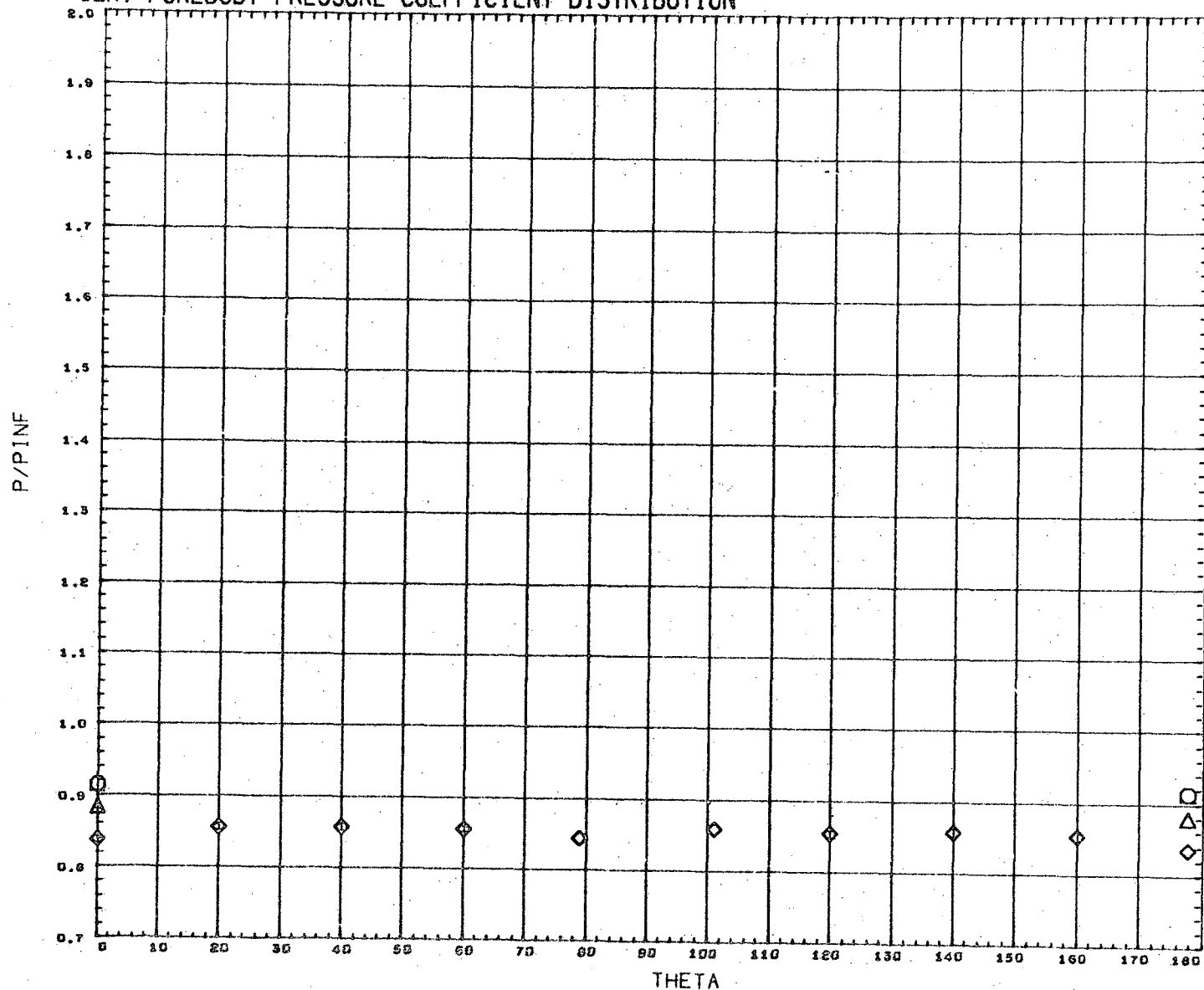
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL				X/D	FRATIO	MACH	PARAMETRIC VALUES									
○	△	◇	□	▽	◇	0.527	578.883	0.598	SREF	572.557	59. IN.	E/DOOR	0.000	ALPHA	0.004	
						0.505			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000	
						0.468			BREF	27.000	INCHES					
						0.431			XMRP	0.000	DIAMTR					
						0.394			YMRP	0.000	DIAMTR					
						0.357	ENTEREDS.FLOOR	CC00 TN-AP-7D-448	ZMRP	0.000	DIAMTR					

88788888.FEURE CCSD TN-AP-7D-443

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH				
○	0.320	576.893	0.598	SREF	572.557	SQ. IN.	E/DOOR
△	0.282			LREF	27.000	INCHES	FC
◇	0.250			BREF	27.000	INCHES	
				XMRP	0.000	DIAMTR	
				YMRP	0.000	DIAMTR	
				ZMRP	0.000	DIAMTR	
				PARAMETRIC VALUES			
						ALPHA	0.004
						WS/WPC	0.000

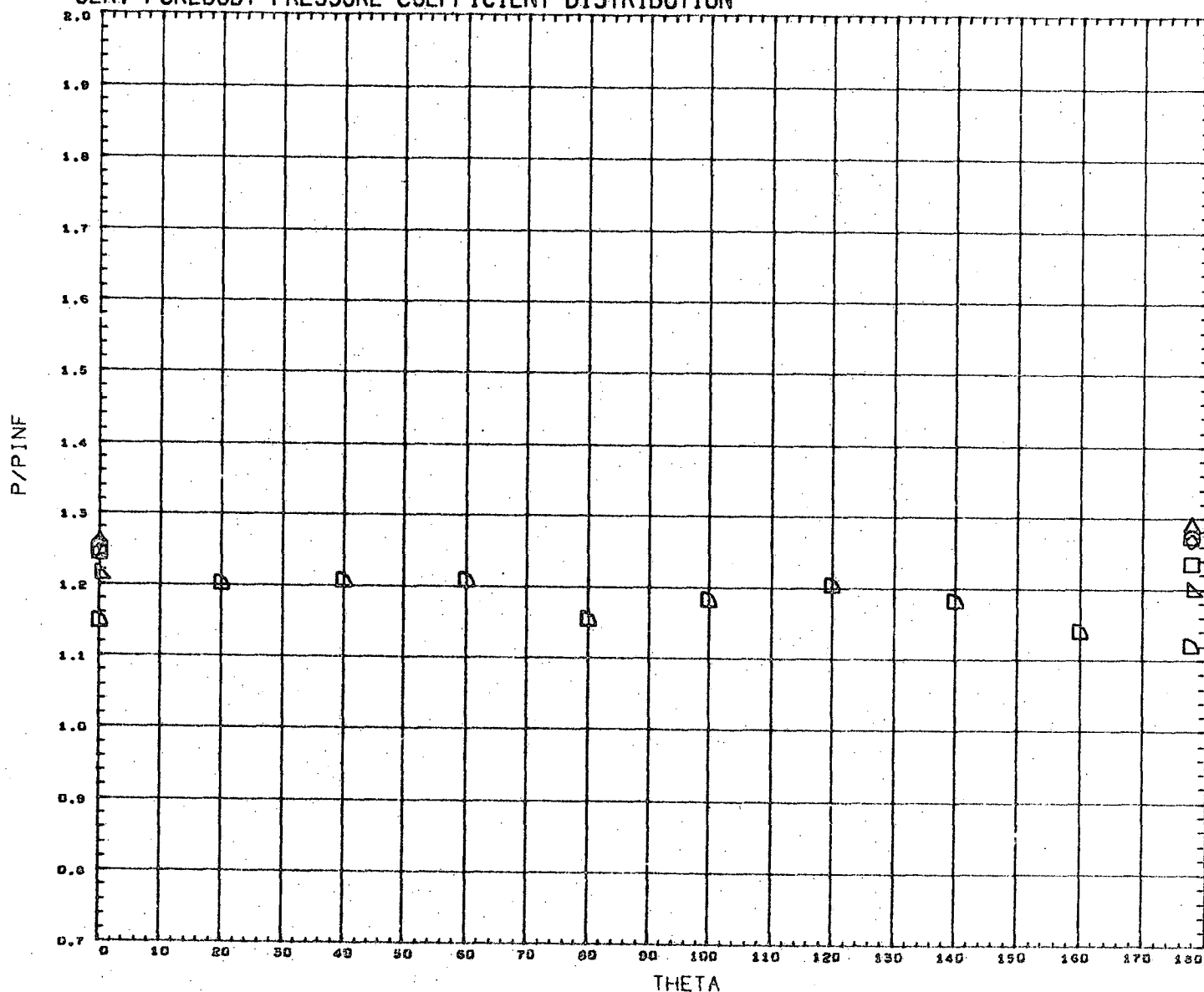
88782005.FC08E CC80 TH-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



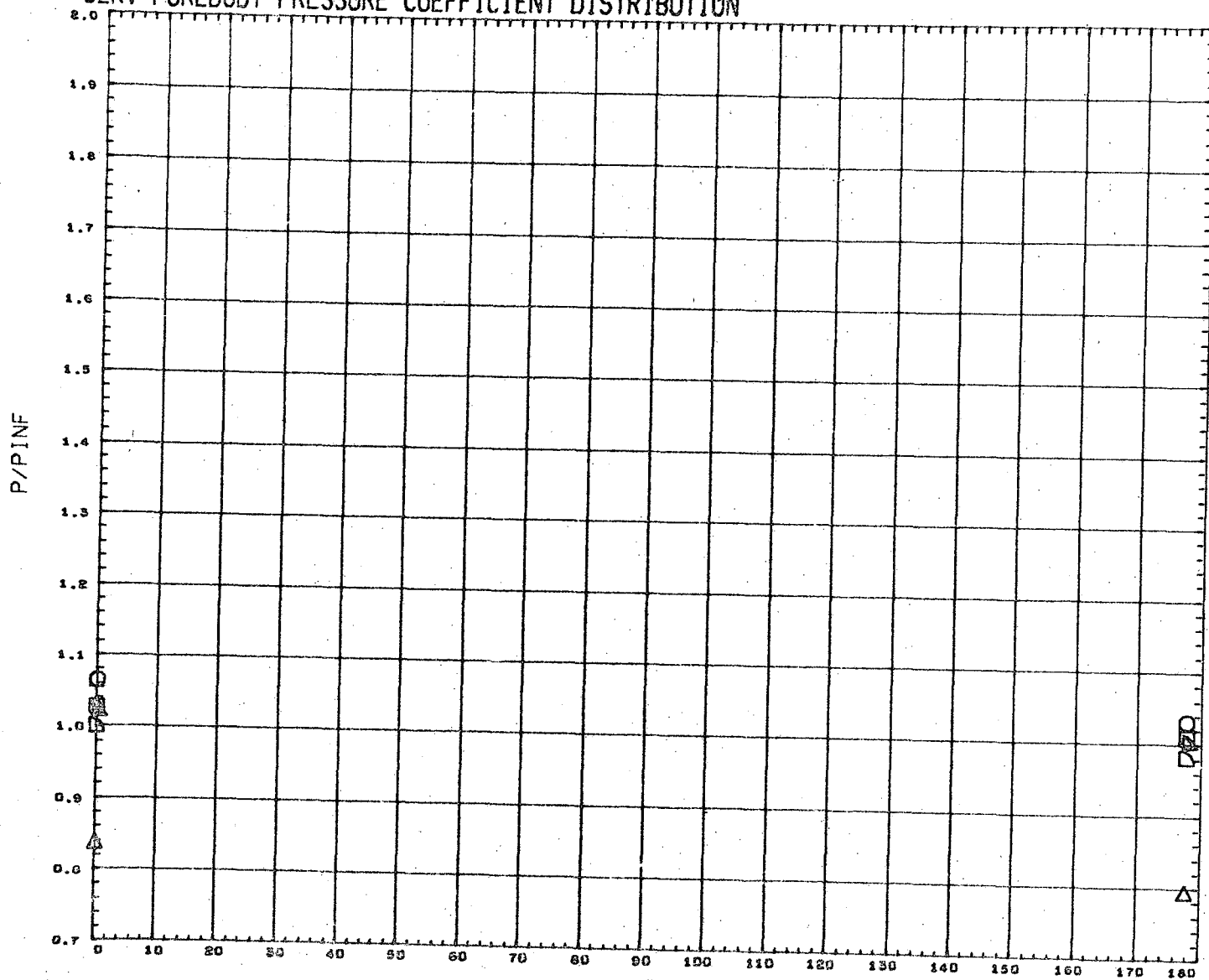
SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES						
○	0.736	302.353	0.801	SREF	572.557	50.1N.	E/DOOR	0.000	ALPHA	0.004
◇	0.699			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
◇	0.662			BREF	27.000	INCHES				
◇	0.625			XMRP	0.000	DIAMTR				
◇	0.598			YMRP	0.000	DIAMTR				
◇	0.551			ZMRP	0.000	DIAMTR				
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION										
CCSD TN-AP-70-448										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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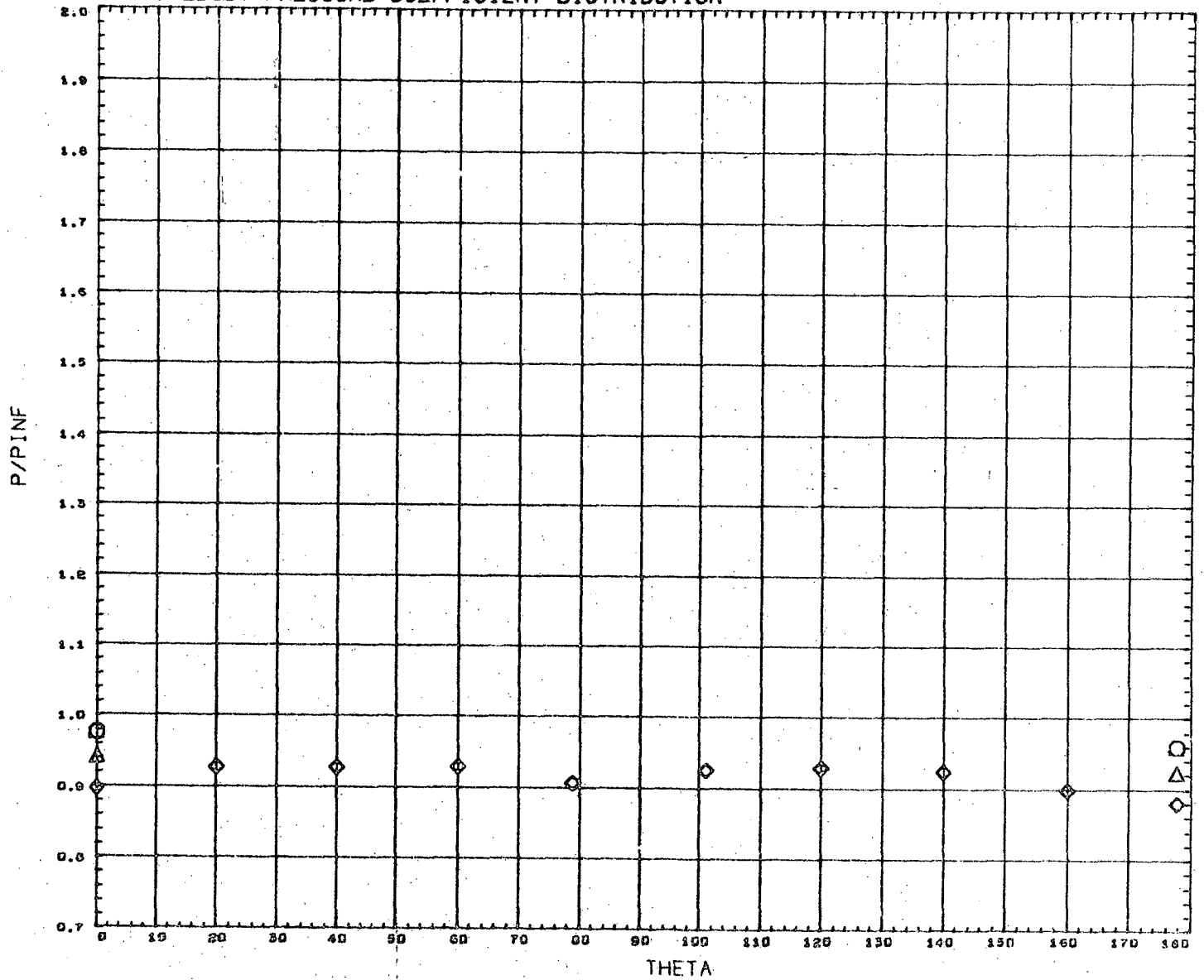
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.527	302.353	0.001	LREF	27.000	INCHES	0.000	ALPHA	0.004	
◇	0.506			BREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◊	0.468			XMRP	0.000	DIAMTR				
◻	0.431			YMRP	0.000	DIAMTR				
◼	0.394			ZMRP	0.000	DIAMTR				
△	0.357	DATA RECOVERED	CCSD TH-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

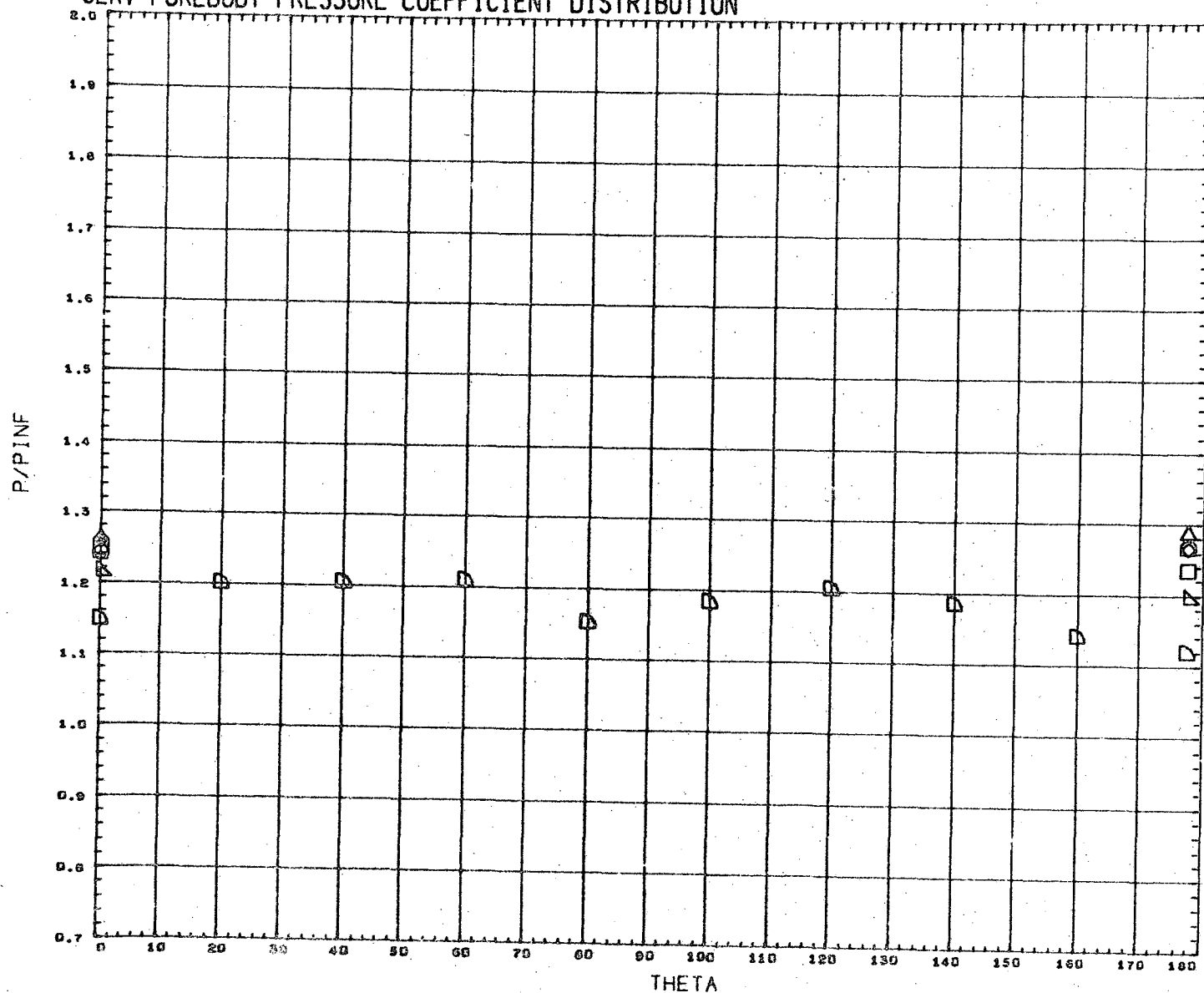
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XHRP	YHRP	ZHRP	572.557	27.000	27.000	0.000	0.000	0.000	59. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	0.000	ALPHA	0.004	404.679	WS/WFC	0.000
○	0.320	302.353	0.801																											
△	0.202																													
◇	0.260																													

DSR08000.FEUSE CC80 TN-AP-70-443

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

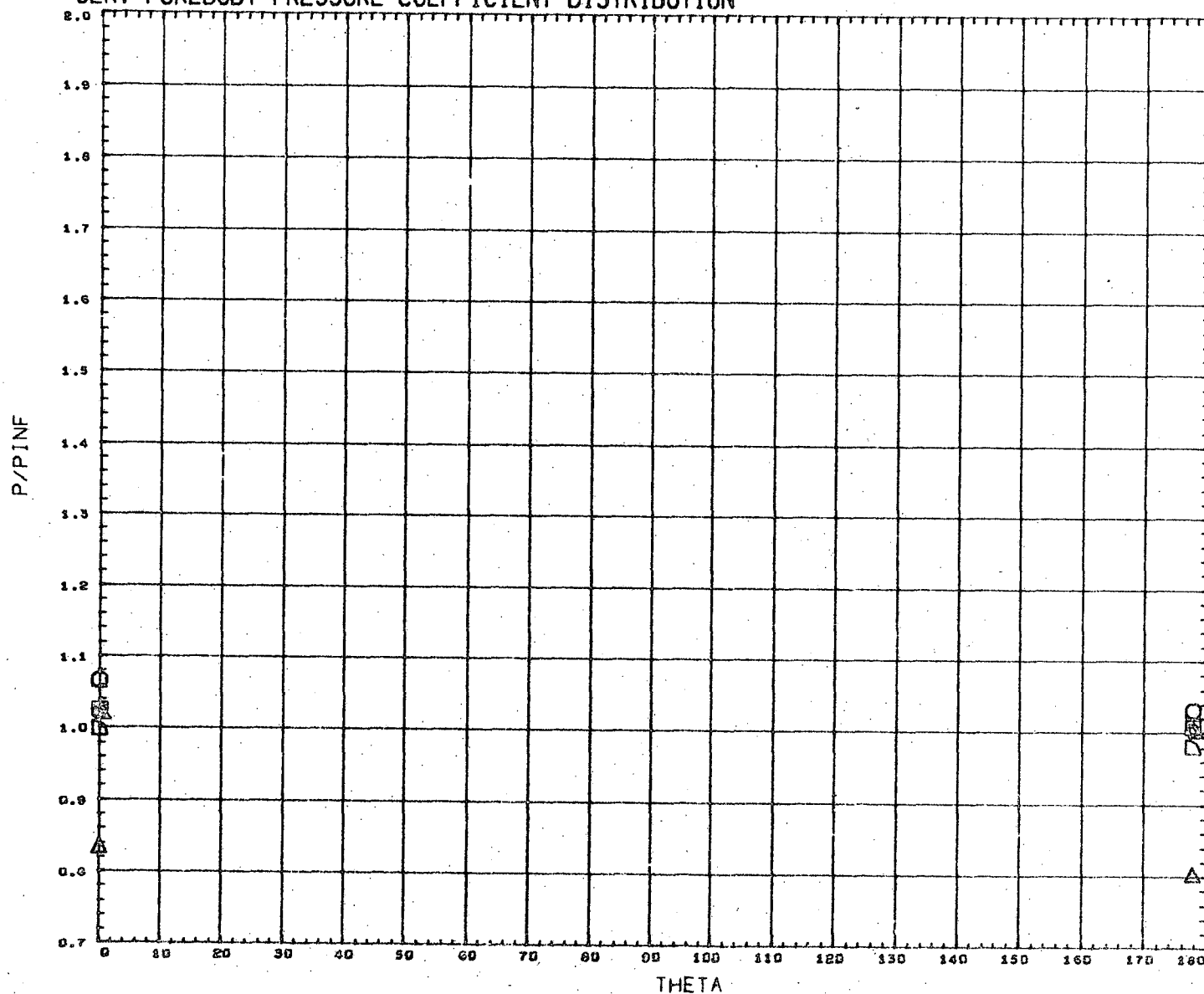


SYMBOL	X/C	PRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	
	0.755	400.687	0.798	LREF	27.000	INCHES	PC	0.000	ALPHA
	0.540			BREF	27.000	INCHES		404.679	WS/WPC
	0.552			XMRP	0.000	DIAMTR			0.000
	0.625			YMRP	0.000	DIAMTR			
	0.588			ZMRP	0.000	DIAMTR			
	0.551	DEFERRED	FEIGE	CCSD	TN-AP-70-445				

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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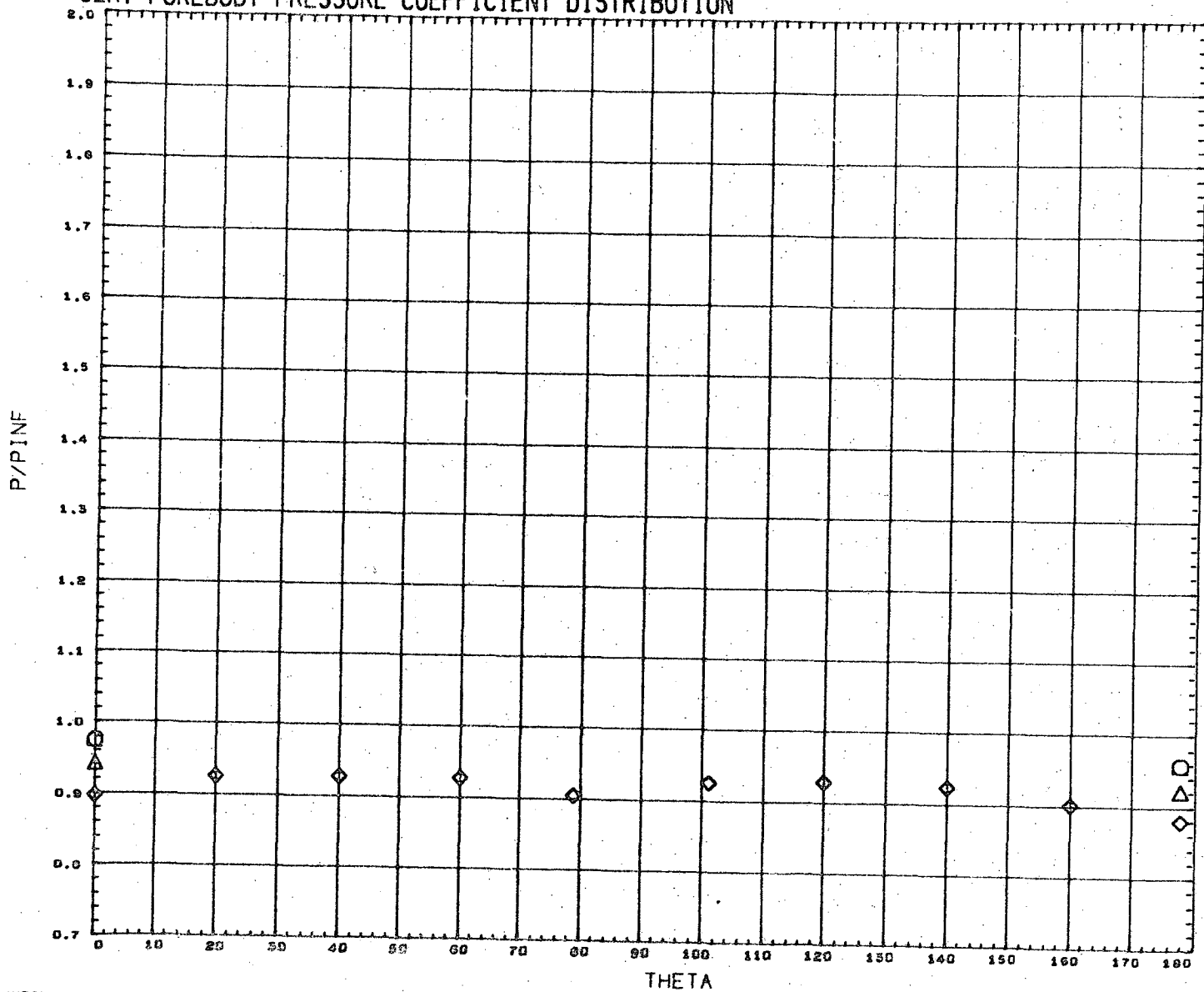
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	QREF	XMRP	YMRP	ZMRP	SR.IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	0.527	400.087	0.798	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	404.679	0.000	0.000	0.000	0.000	0.000
◇	0.505																	
◊	0.468																	
□	0.431																	
▢	0.394																	
△	0.357																	

087082062.FILDE CC00 TH-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH
○	0.320	400.067	0.798
△	0.202		
◇	0.260		

SREF	572.557	SQ. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

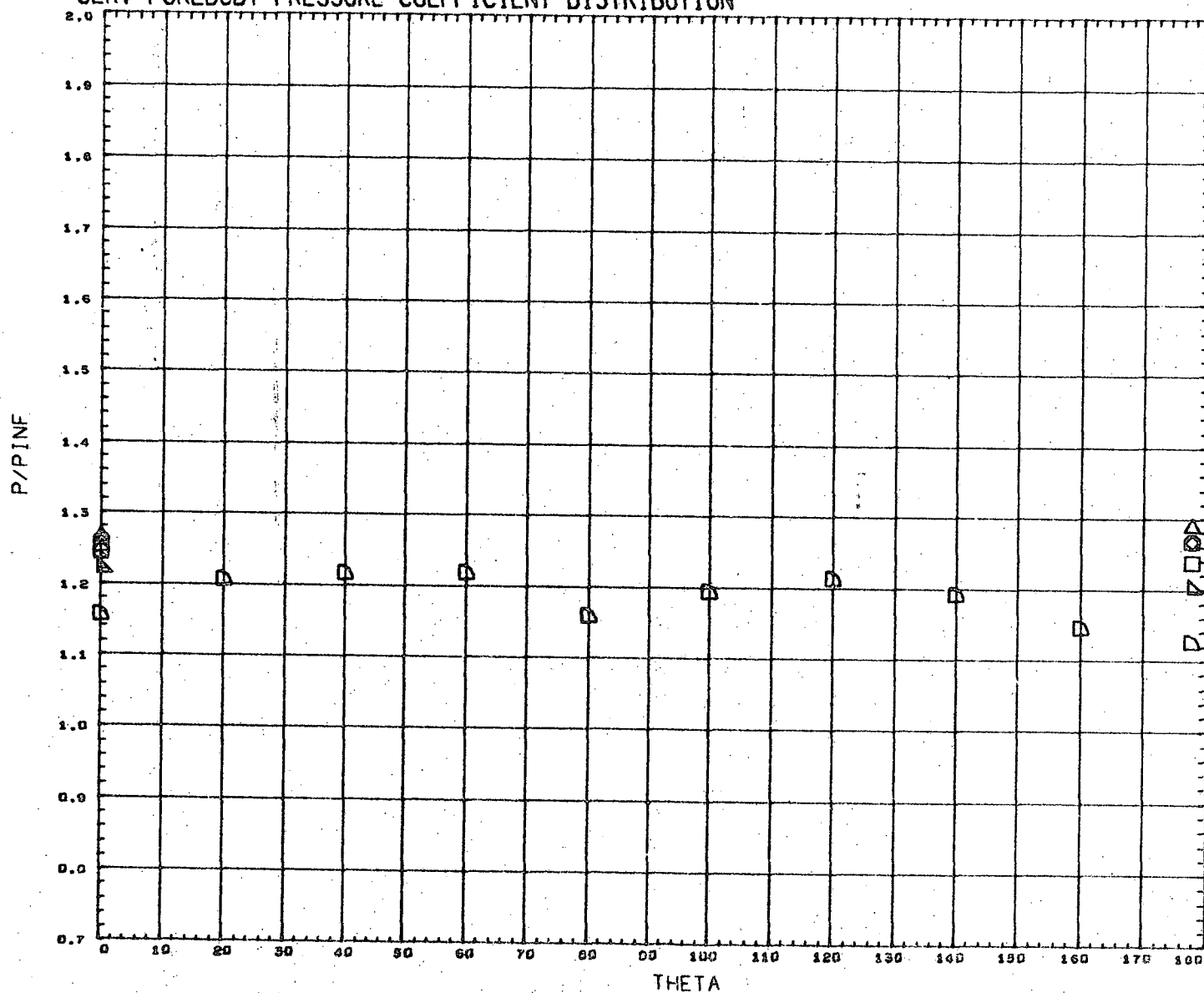
06758006.FIG2C CCSD TM-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

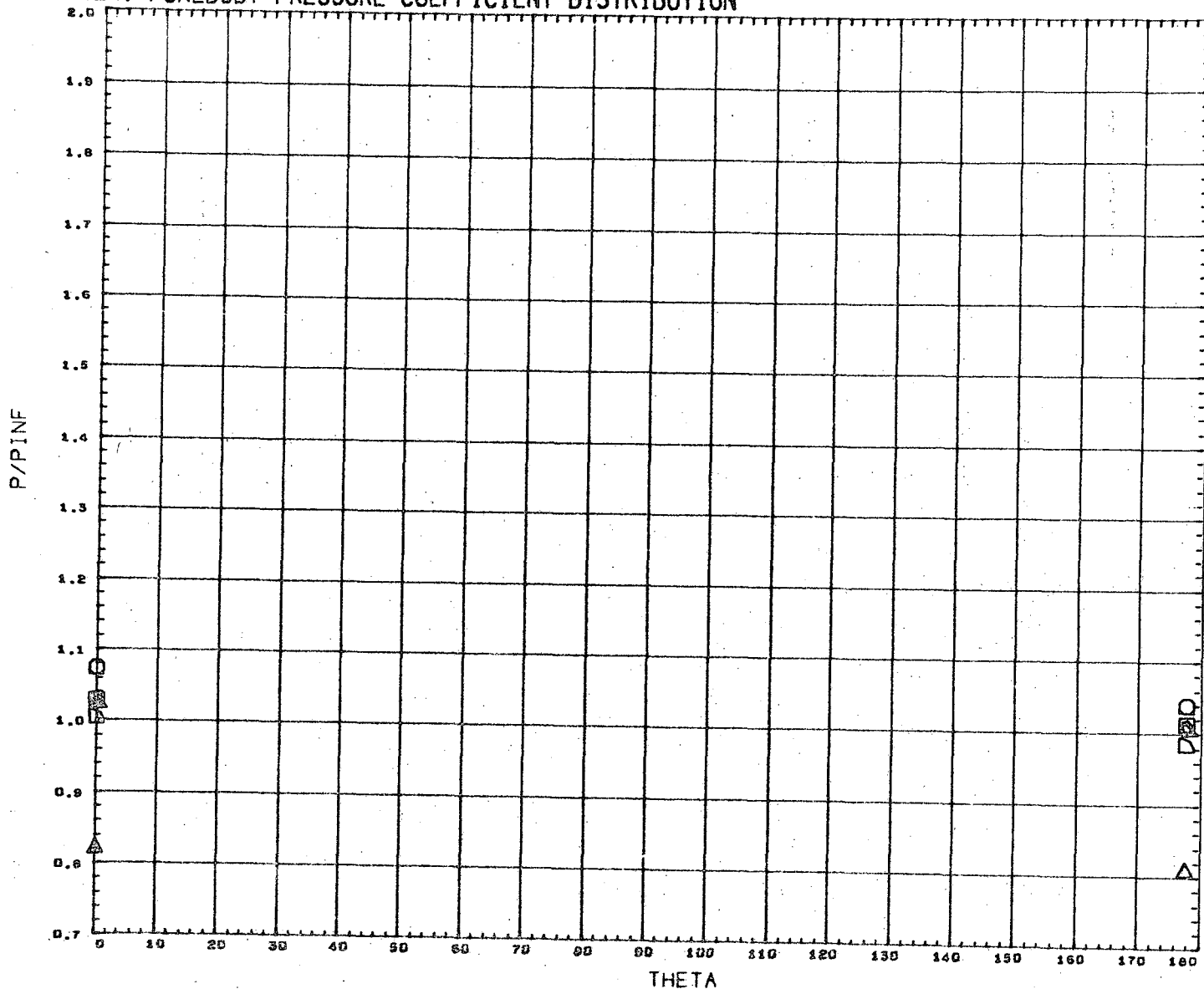
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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	572.557	50.IN.	27.000	27.000	0.000	0.000	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	0.000	ALPHA	0.004	404.679	WS/WPC	0.000
◇	0.736	499.307	0.799																								
◇	0.699																										
◇	0.662																										
◇	0.625																										
◇	0.588																										
◇	0.551	8870856.FCCE	CC80	TM-AP-70-445																							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SEEF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES		
○	0.527	499.307	0.799	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
□	0.305			BREF	27.000	INCHES		404.679	WS/WPC	0.000
◇	0.403			XMRP	0.000	DIAMTR				
◻	0.431			YMRP	0.000	DIAMTR				
△	0.394			ZMRP	0.000	DIAMTR				
◻	0.357	0.0000000000000000								

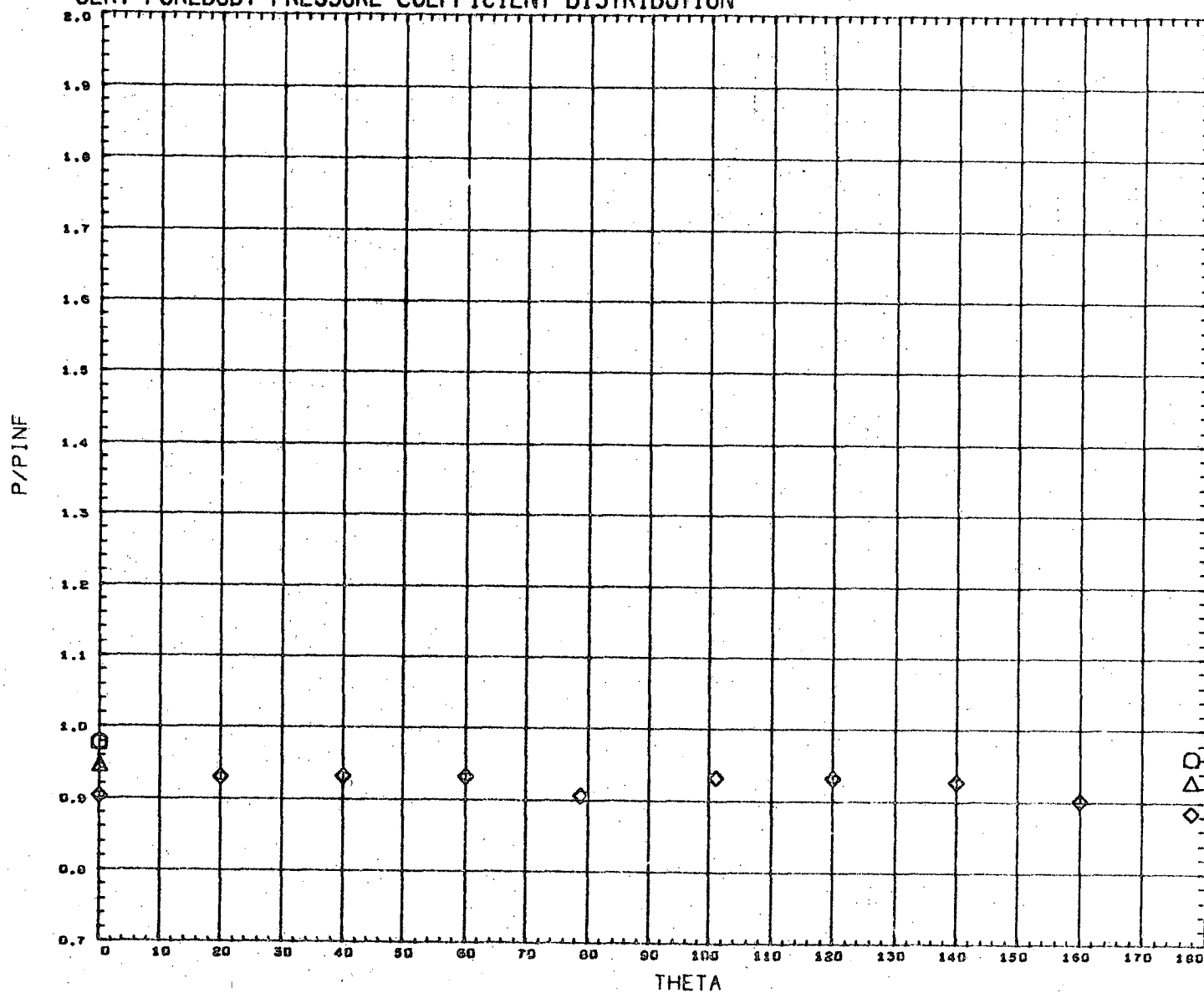
CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	S8.IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES		
○	0.320	499.307	0.798	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	0.000	404.679	ALPHA	0.004	
△	0.282													WS/WFC	0.000	
◇	0.260															

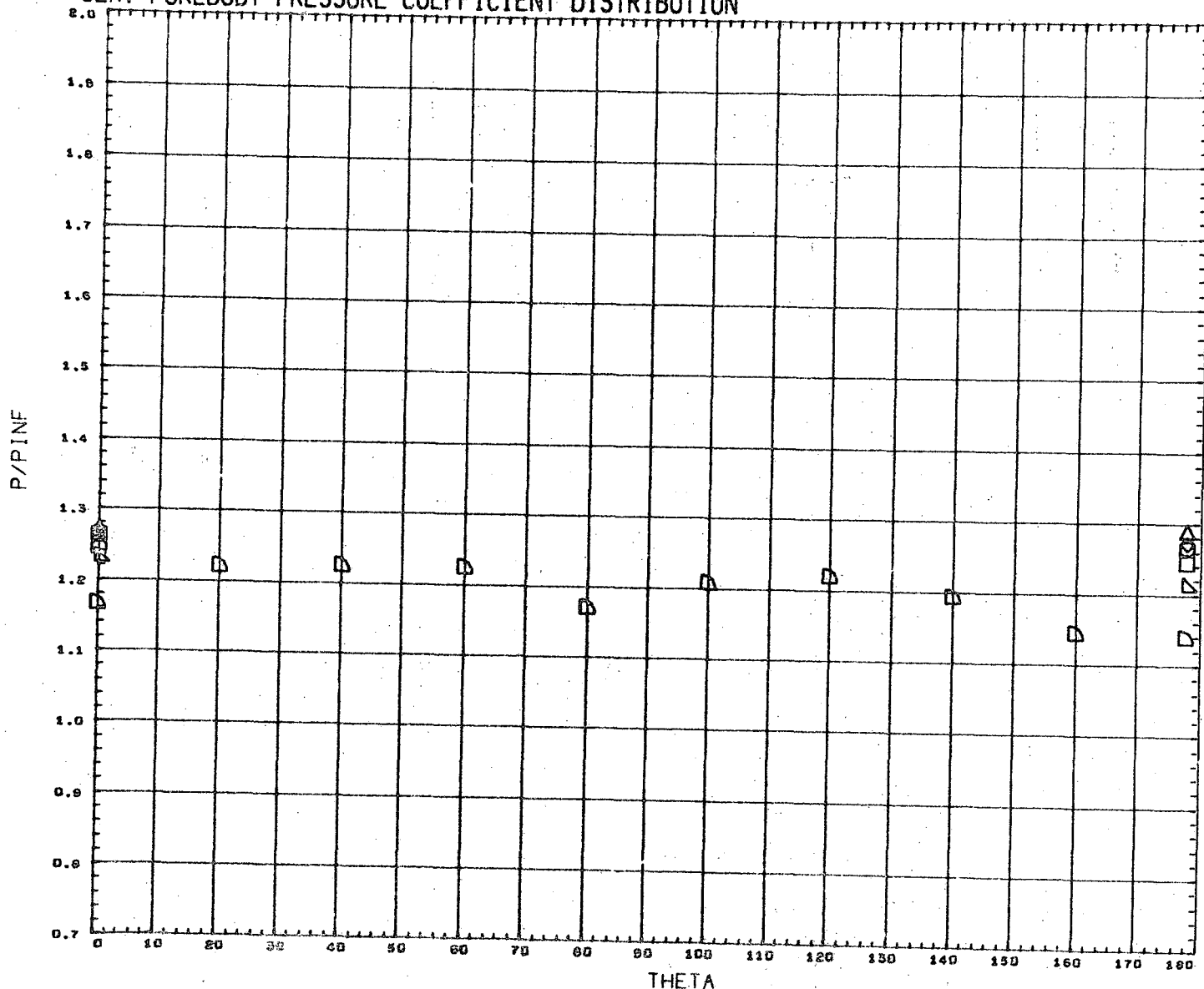
88788882.FCLGE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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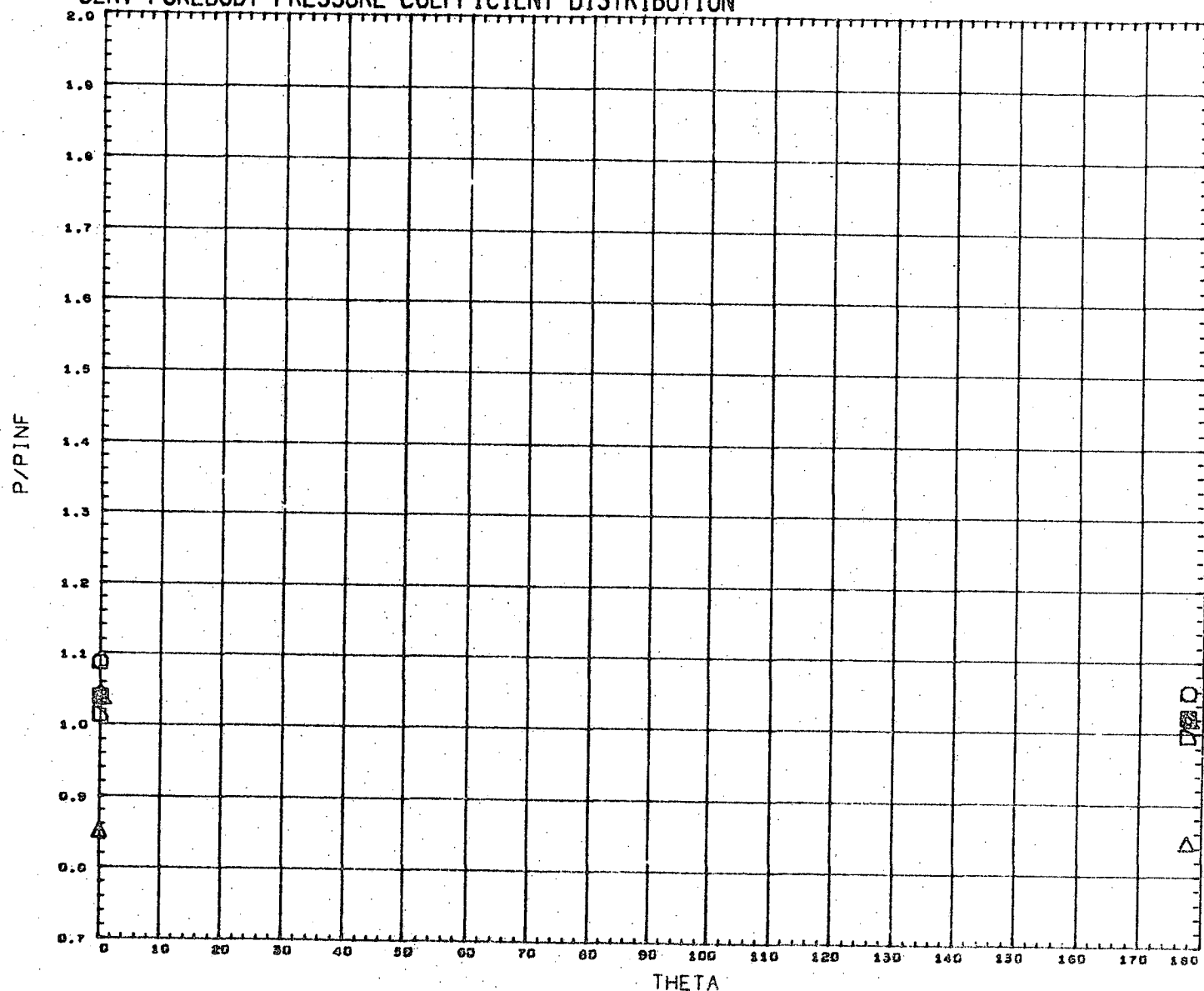
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES
□	0.736	688.802	0.803	LREF	27.000	INCHES	0.000	ALPHA 0.004
◇	0.899			BREF	27.000	INCHES	PC 404.679	WS/WFC 0.000
□	0.625			XHRP	0.000	DIAMTR		
□	0.588			YHRP	0.000	DIAMTR		
□	0.551			ZHRP	0.000	DIAMTR		

AEBC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

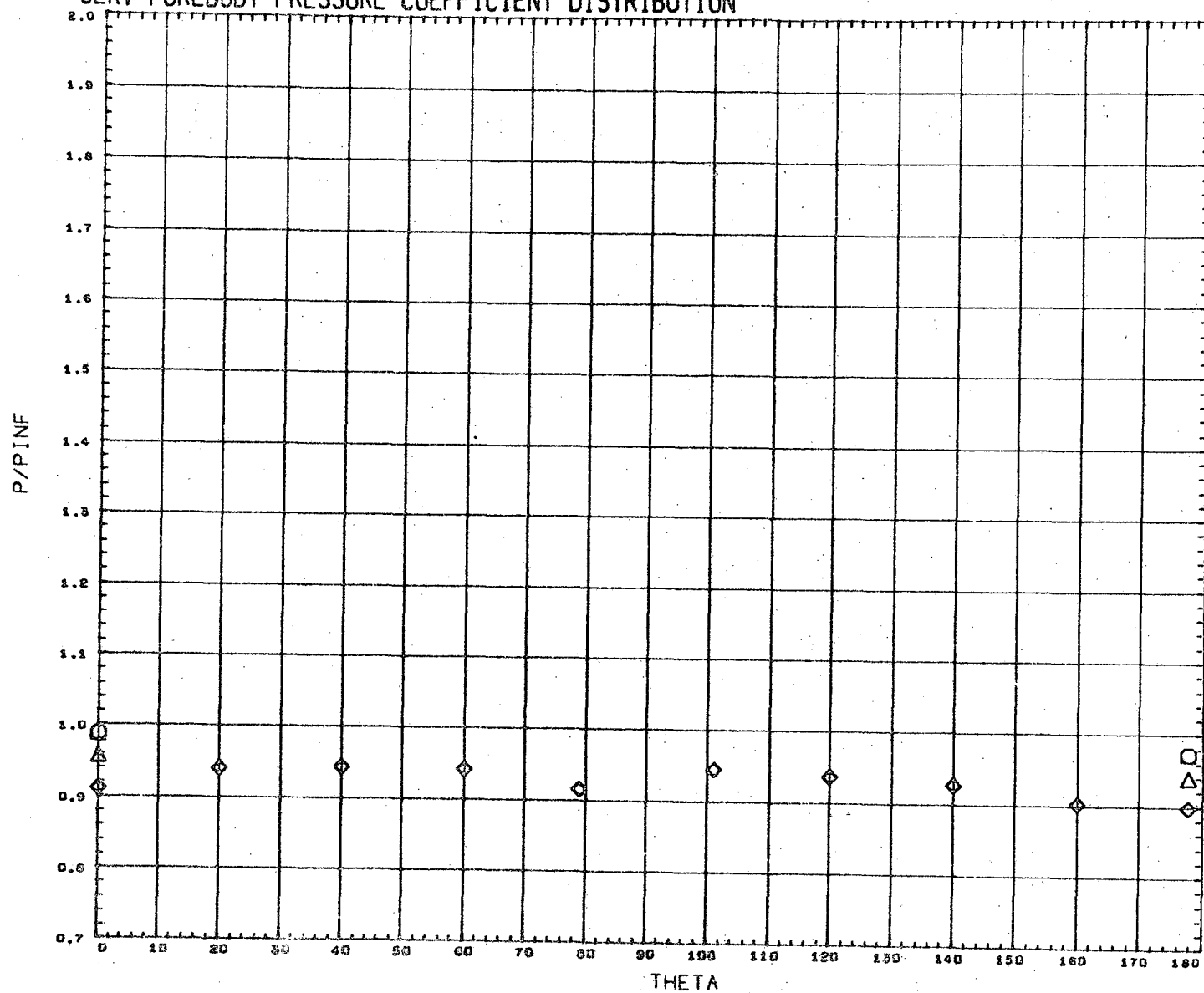
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	688.802	0.803	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.505									PC 404.679 WS/WFC 0.000
◇	0.468									
□	0.431									
▽	0.394									
△	0.357									

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

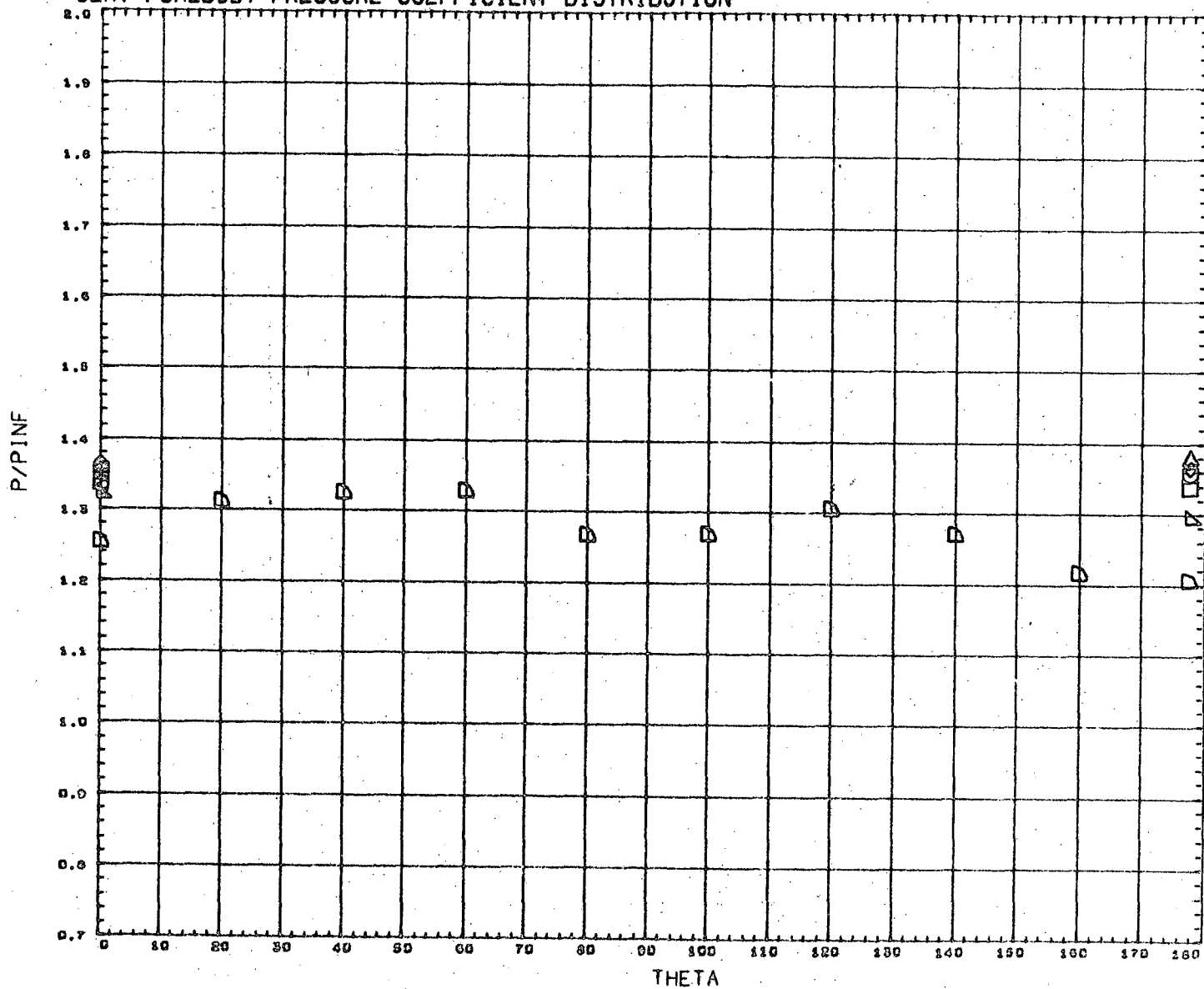


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.320	688.902	0.803	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	0.282									PC 404.679 WS/WPC 0.000
◇	0.250									

REFERENCE FIGURE CCSD TN-AP-70-445

AFDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

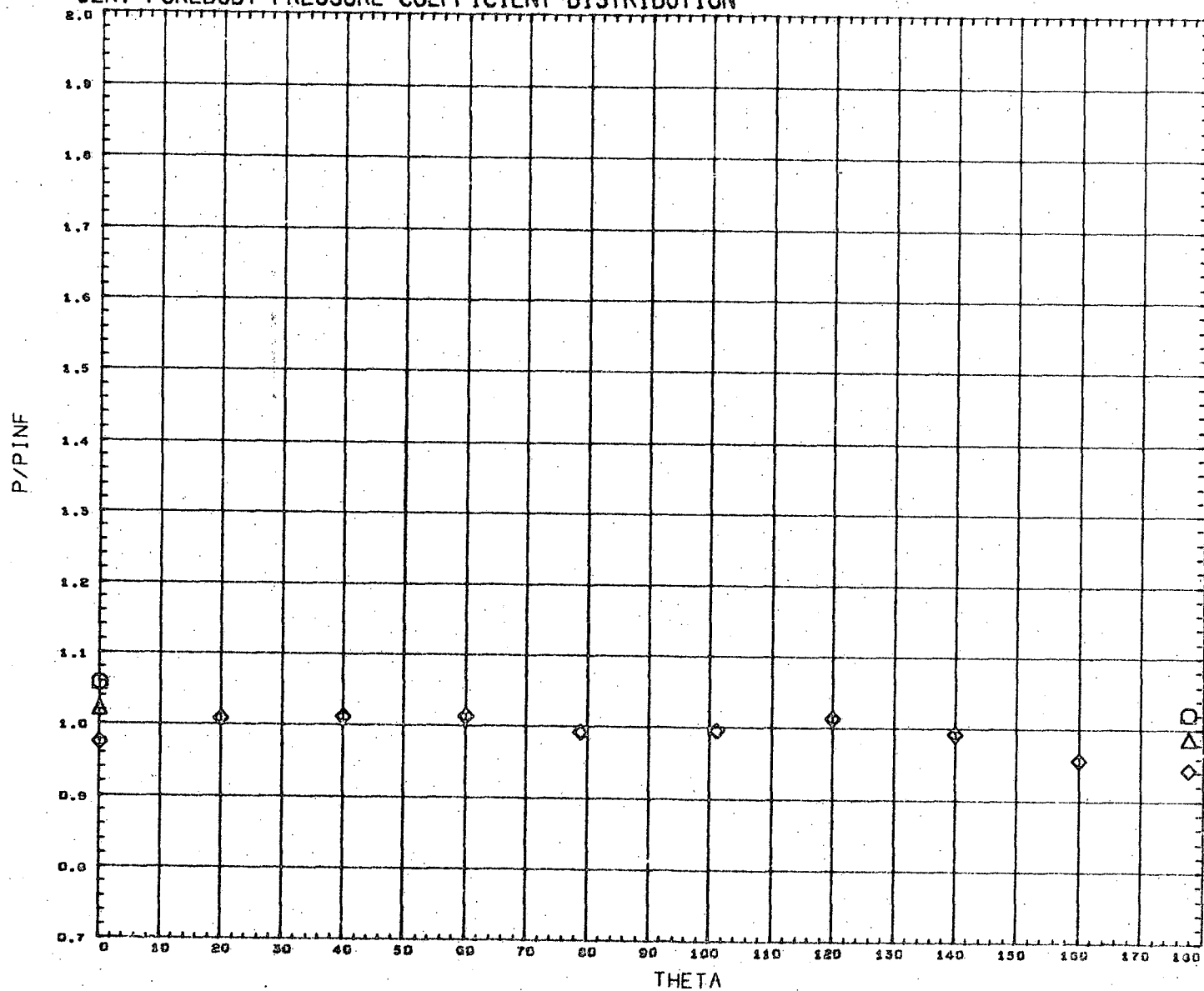


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
◇	0.736	306.157	0.805	572.537	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699			27.000	INCHES	INCHES				FC 404.679 WS/WPC 0.000
◇	0.662									
◇	0.625									
◇	0.588									
◇	0.551									

00780000.F000E CCSD TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

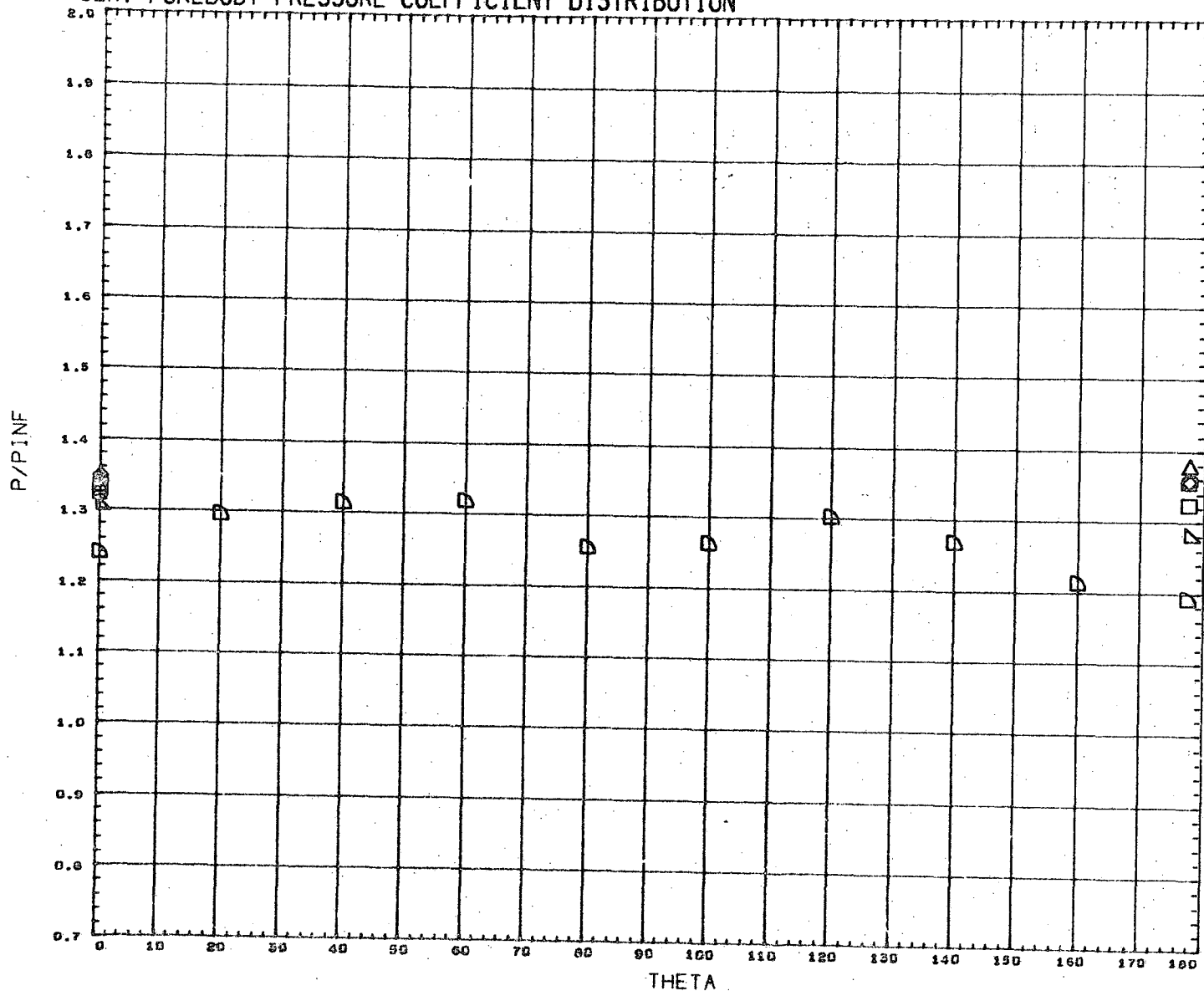
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	PARAMETRIC VALUES			
○	0.320	306.157	0.903	SREF	572.557	58. IN.	E/DOOR
△	0.202			LREF	27.000	INCHES	0.000
◇	0.260			BREF	27.000	INCHES	ALPHA
				XMRP	0.000	DIAHTR	0.004
				YMRP	0.000	DIAHTR	PC
				ZMRP	0.000	DIAHTR	404.679
							WS/WPC
							0.000

00000000.FIC0E CCSD TN-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

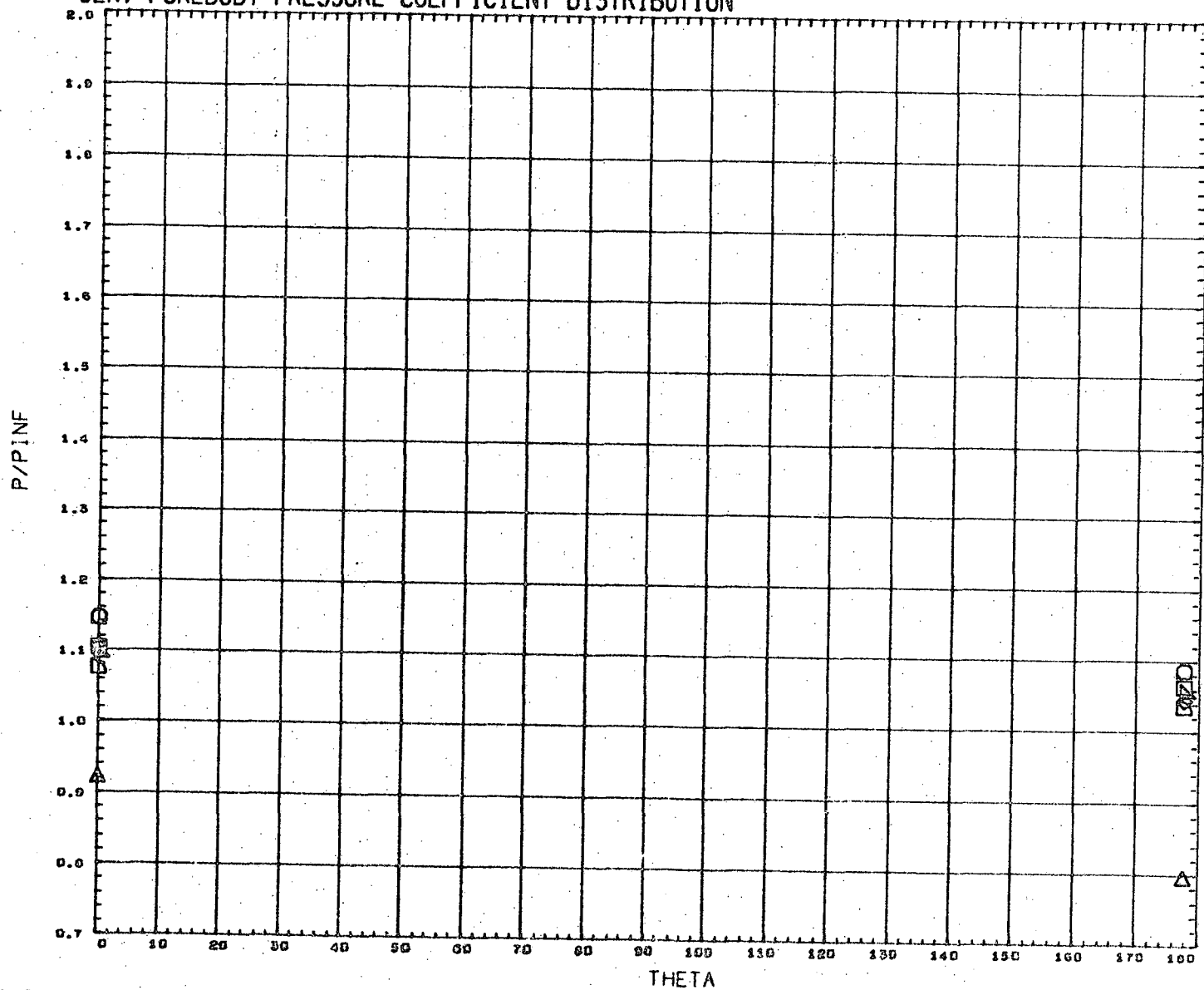


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	399.757	0.900	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699									PC 464.679 WS/WPC 0.000
□	0.662									
△	0.625									
▽	0.588									
○	0.551									

DATA REDUCED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



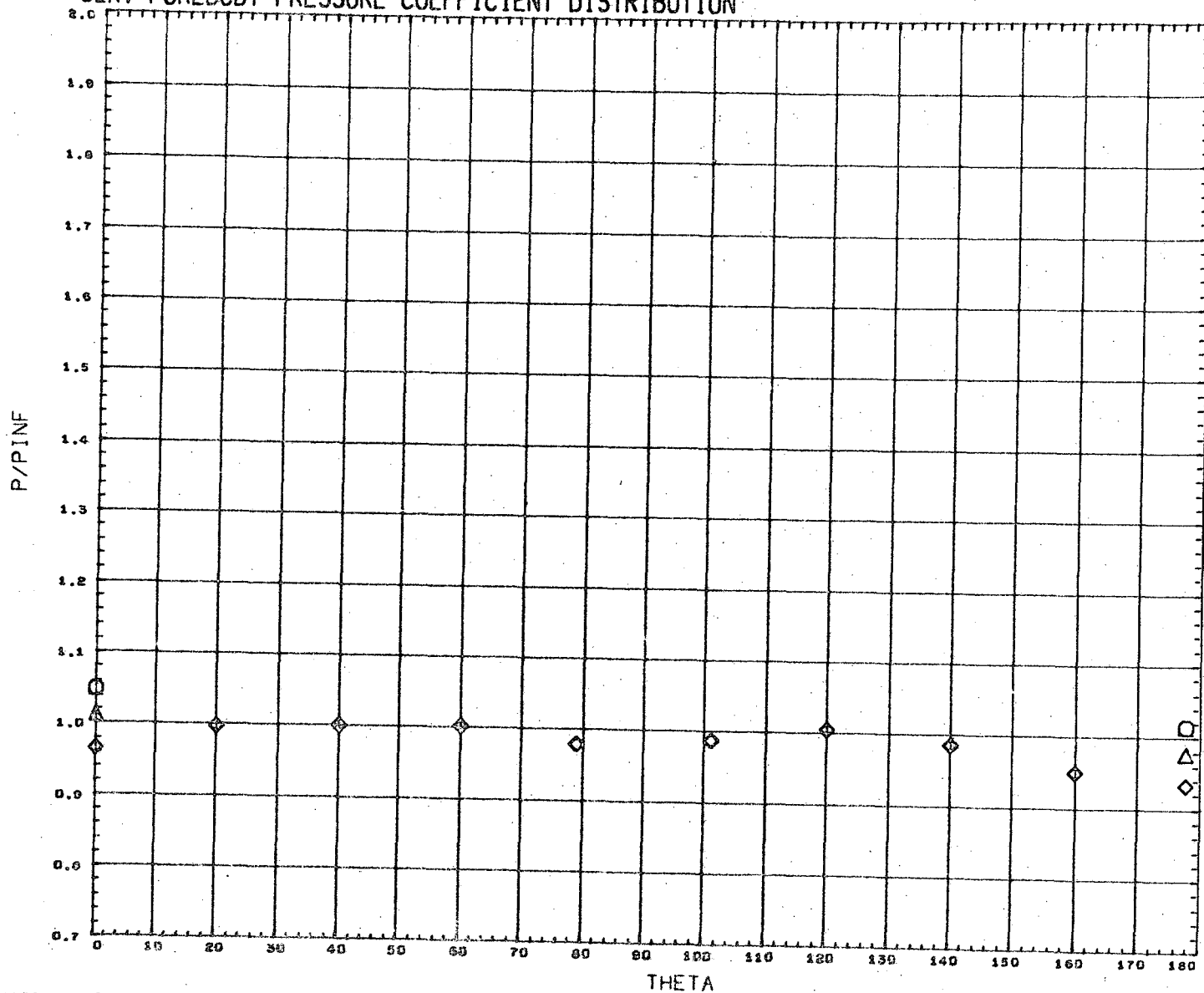
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRF	YHMF	ZHMF	SQ. IN.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	0.004	0.000
□	0.527	399.707	0.900	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
□	0.505																					
□	0.468																					
□	0.431																					
□	0.394																					
□	0.357	BB78RB963.FCCGE	CCSD TH-AP-70-449																			

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH					PARAMETRIC VALUES		
○	0.320	399.707	0.990	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	0.232			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	0.257			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

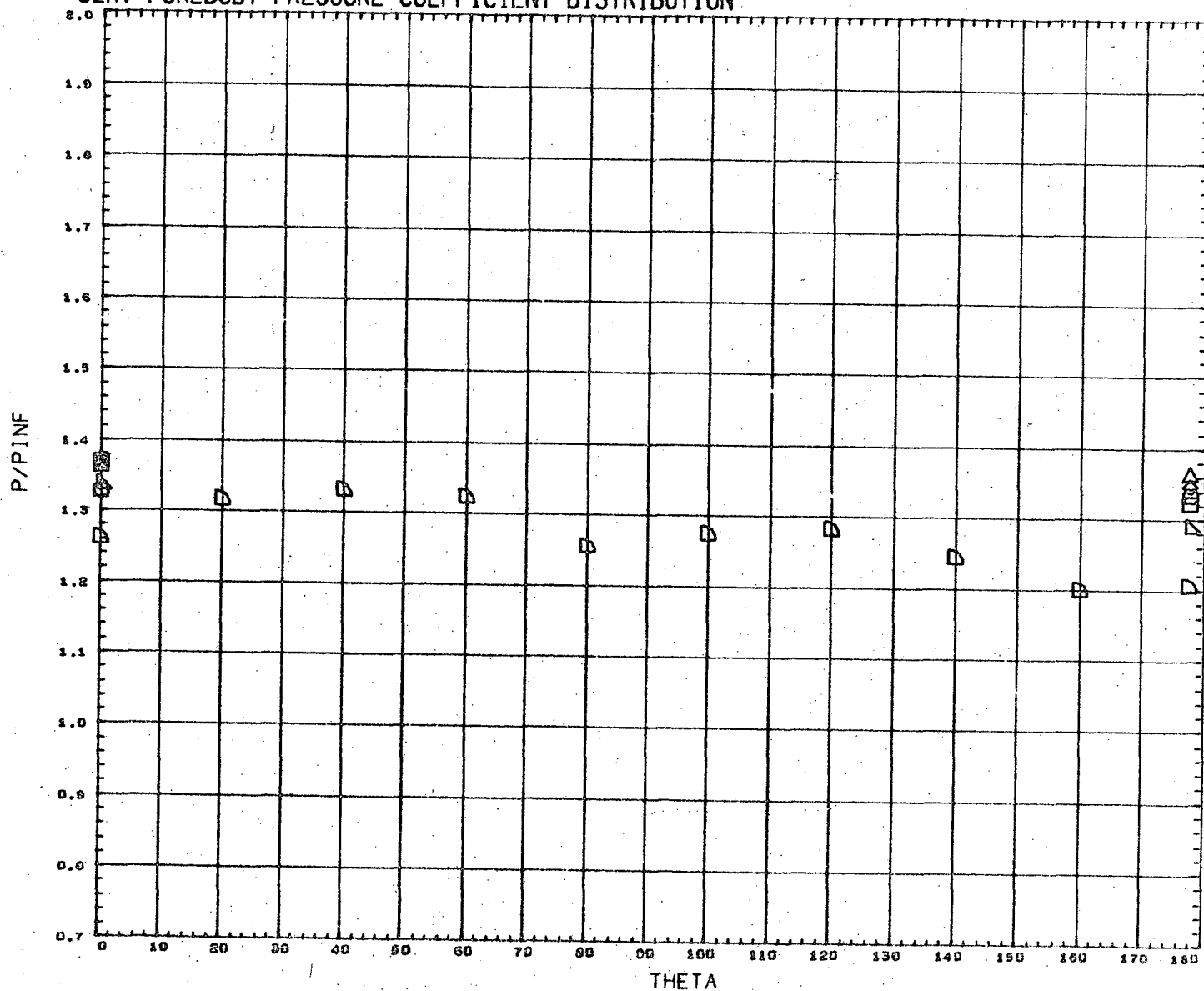
0074RB006.F000E CC00 TM-AP-70-463

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



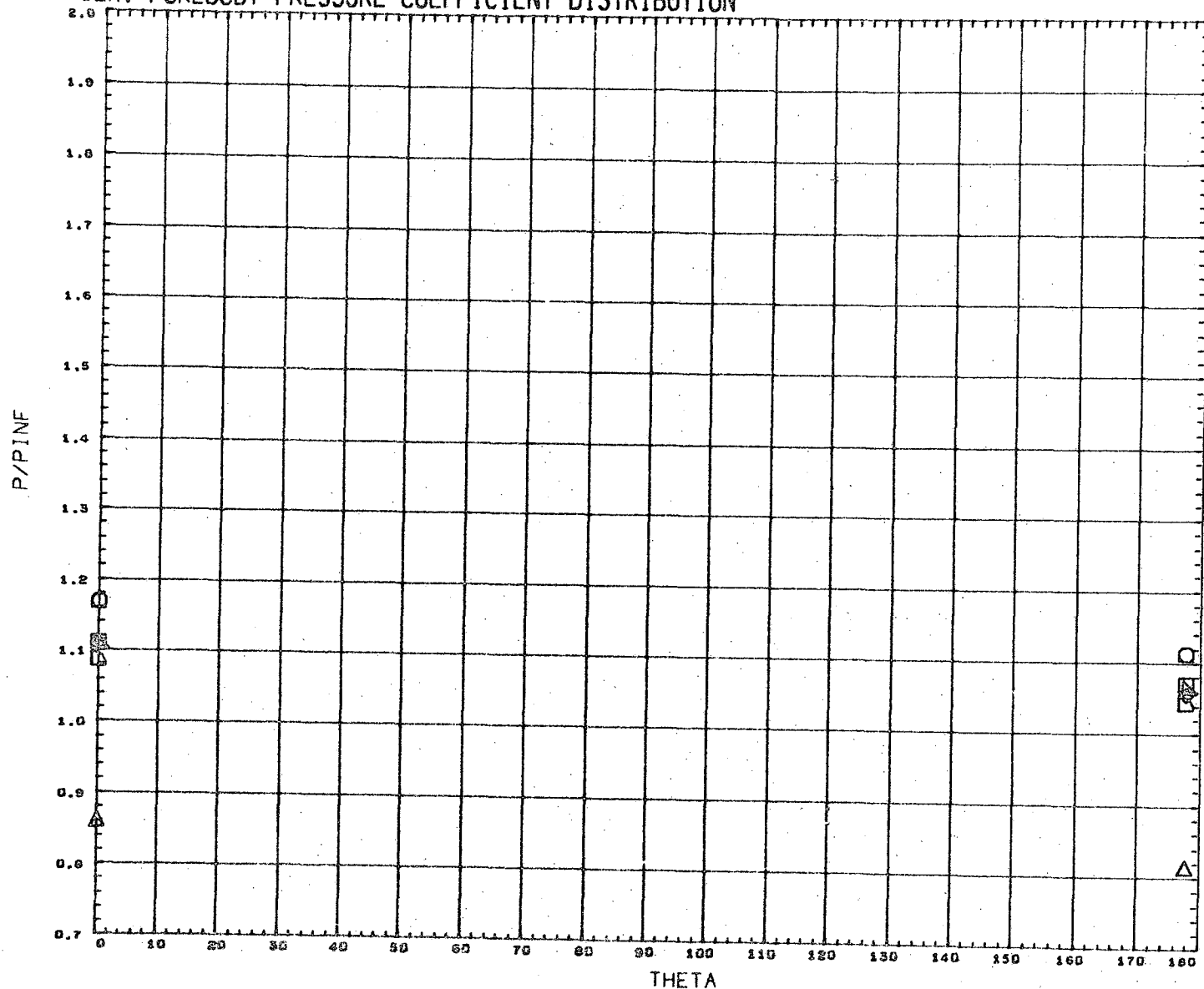
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	
□	0.736	600.200	0.895	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
◇	0.699			BREF	27.000	INCHES		404.679	WS/WPC 0.000
△	0.662			XMRP	0.000	DIAMTR			
▽	0.625			YMRP	0.000	DIAMTR			
◇	0.588			ZMRP	0.000	DIAMTR			
◇	0.551	BSFB0300.FE00E CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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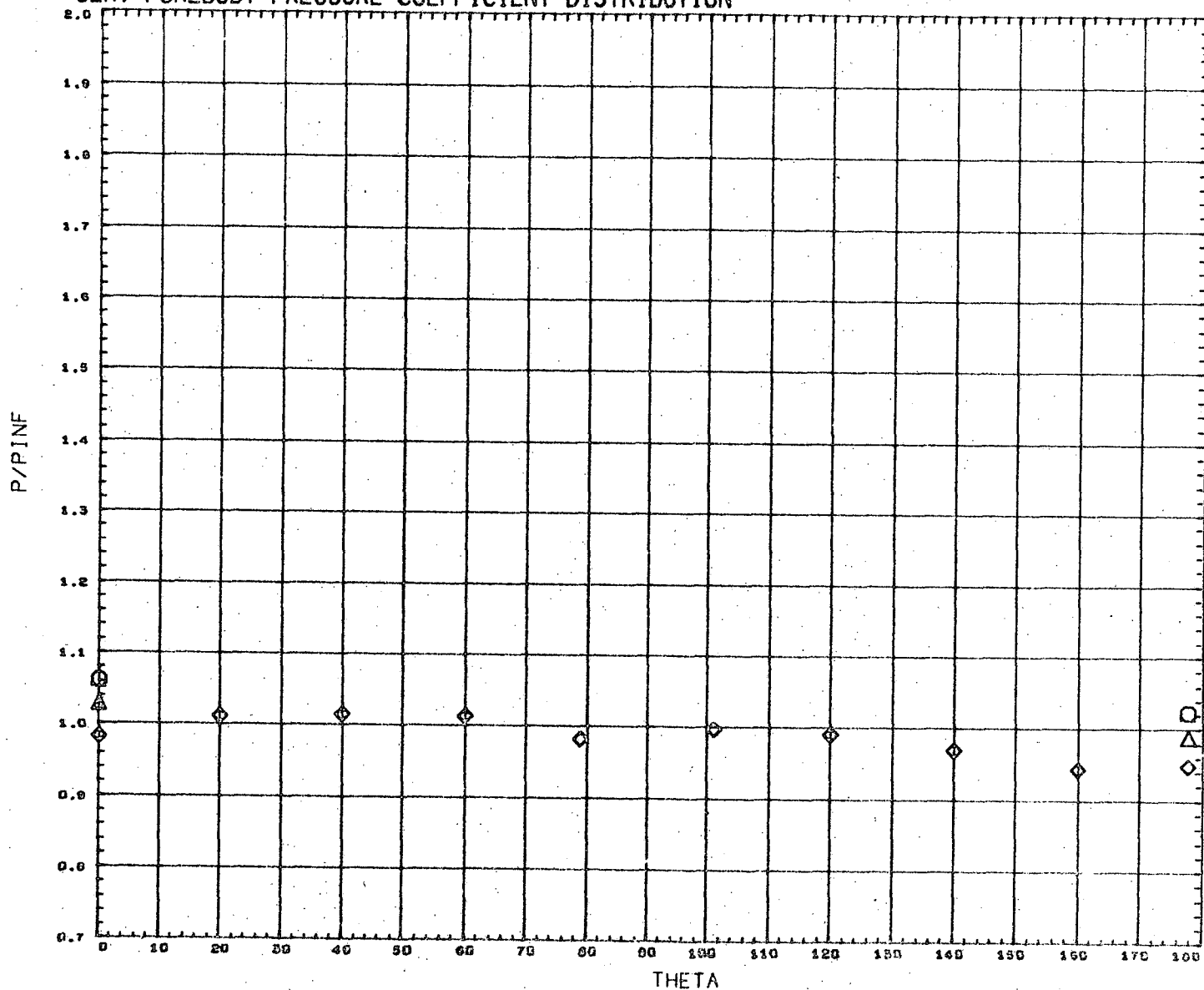
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	500.200	0.005	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.505									PC 404.679 WS/WPC 0.000
◻	0.460									
△	0.431									
○	0.394									
○	0.357	00750000.0000	CCSD TH-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



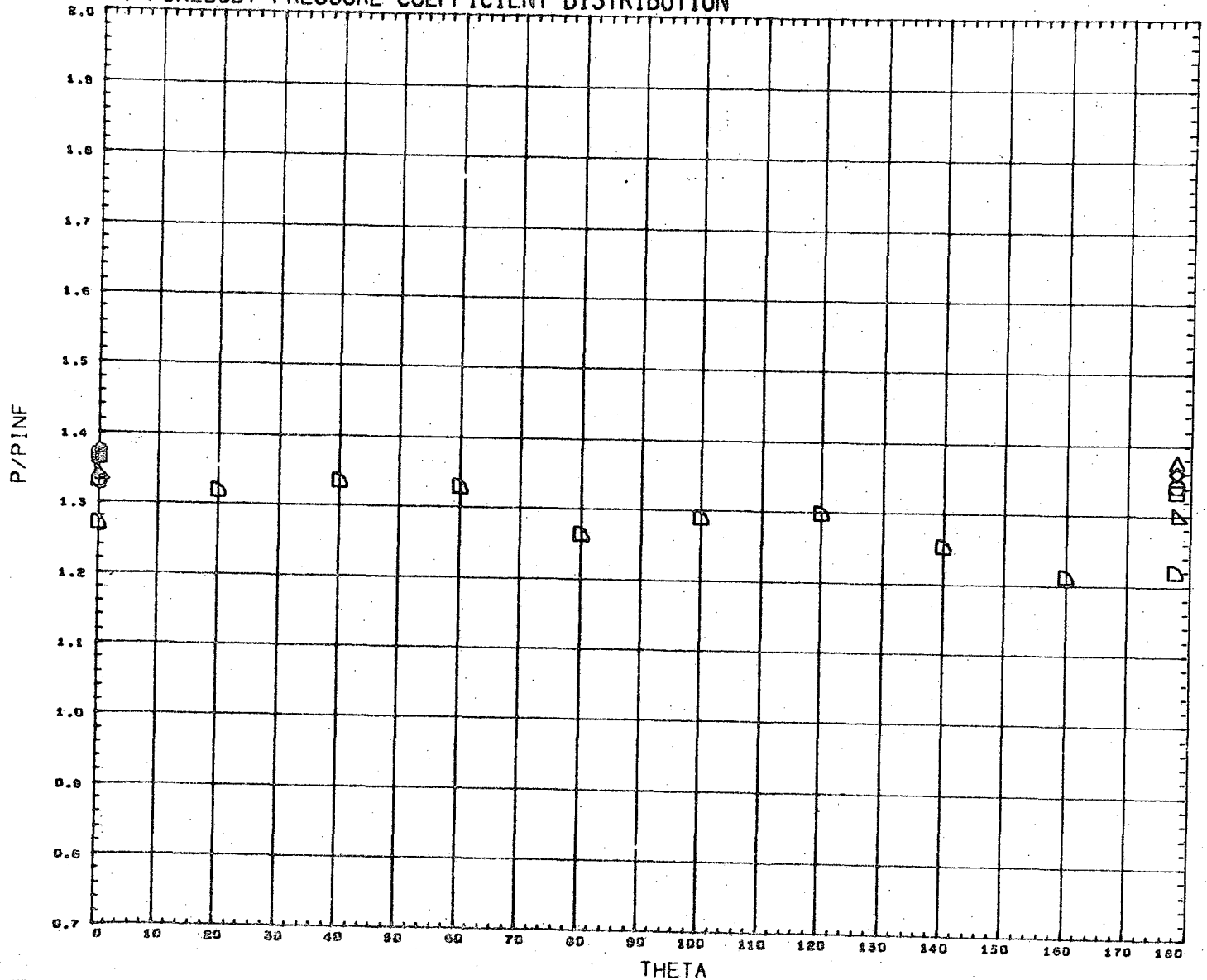
SYMBOL	x/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
○	0.320	600.200	0.895	LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
△	0.202			BREF	27.000	INCHES				
◇	0.260			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

88789055.FL002 CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	59. IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	0.733	312.557	0.902	LREF	27.000	INCHES	PC	0.000	WS/WPC	0.000
◇	0.699			BREF	27.000	INCHES		404.679		
□	0.652			XMRP	0.000	DIAMTR				
△	0.625			YMRP	0.000	DIAMTR				
▽	0.589			ZMRP	0.000	DIAMTR				
◇	0.551									

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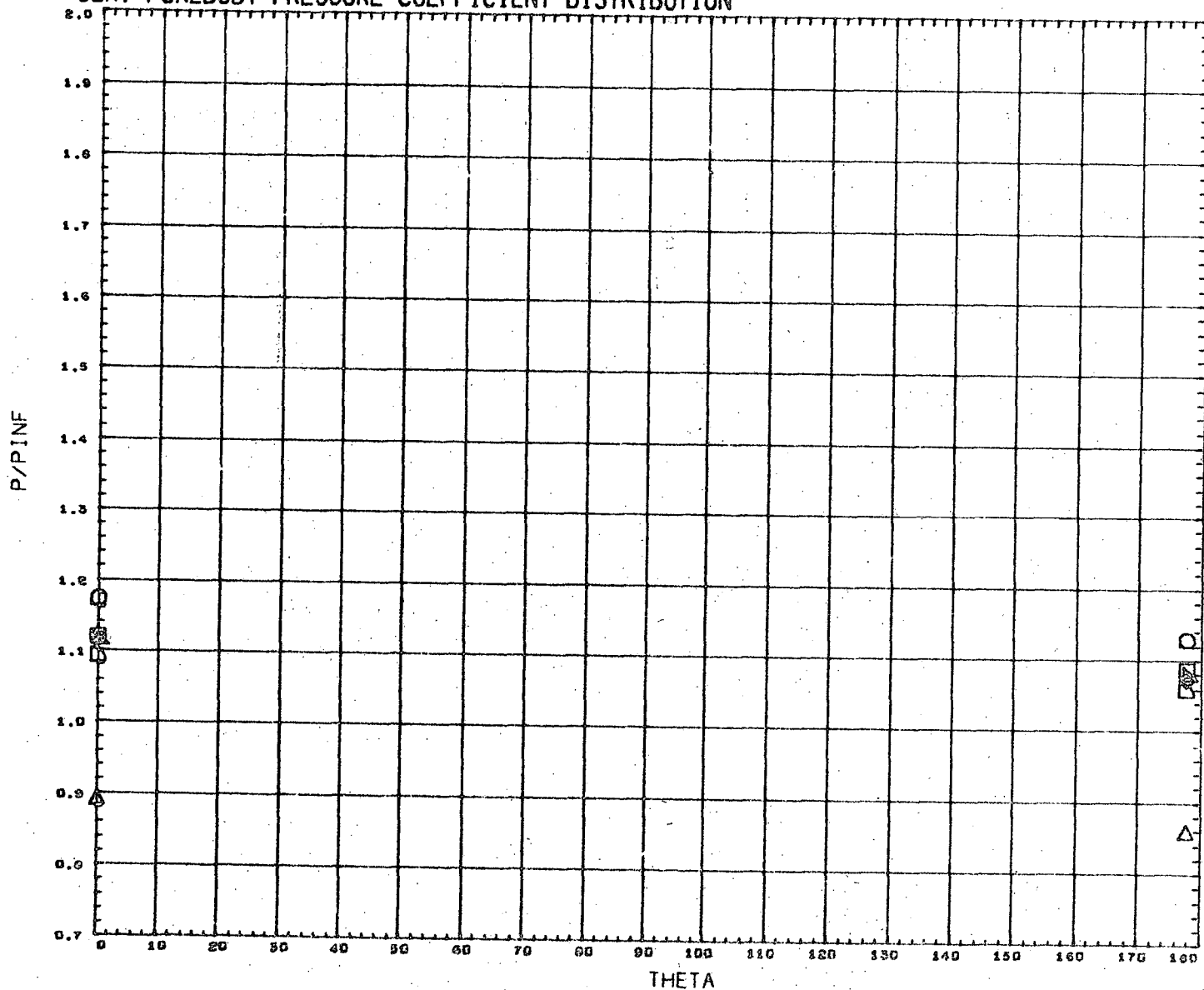
CC00 TN-AP-70-465

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

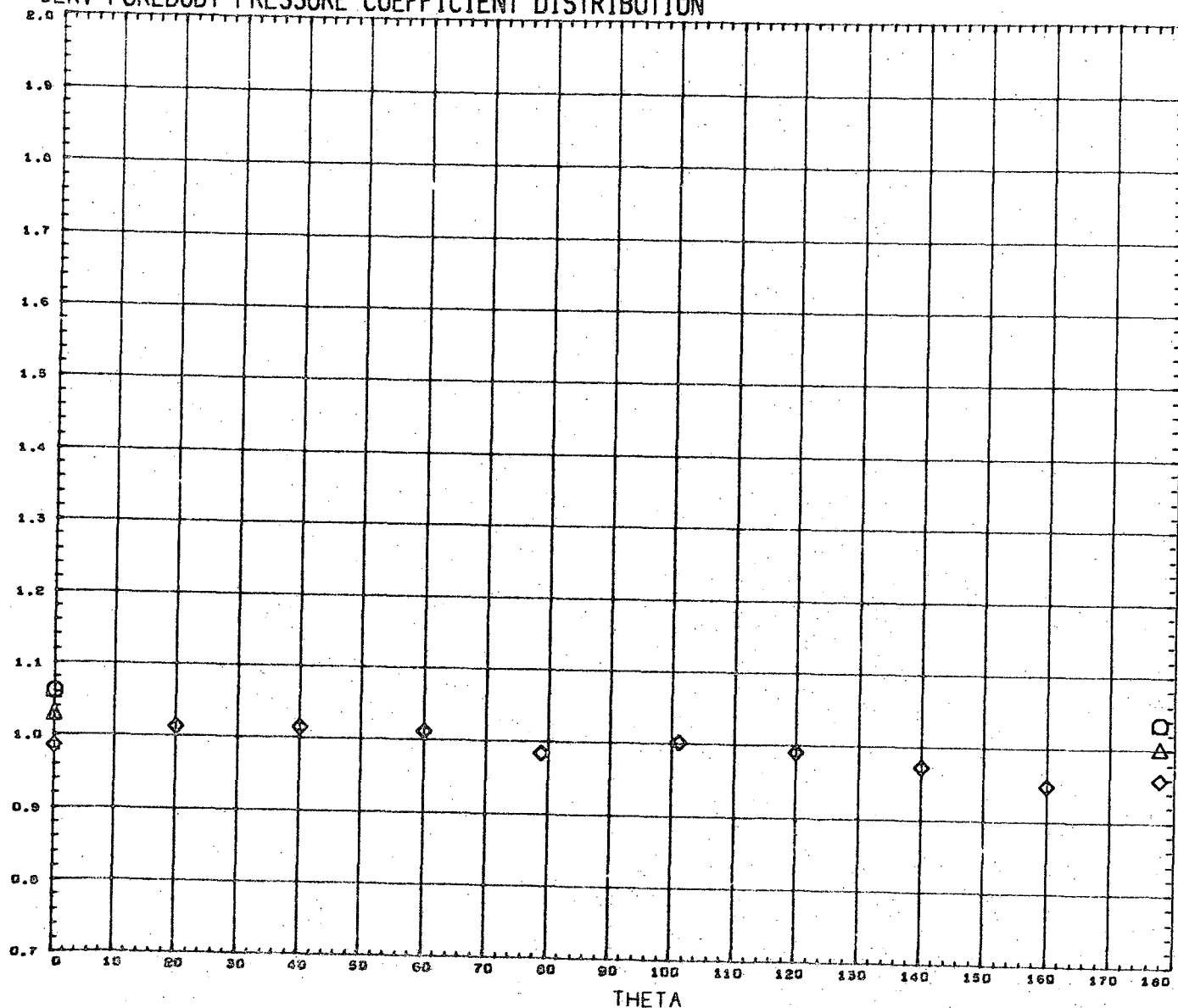
PAGE 185

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



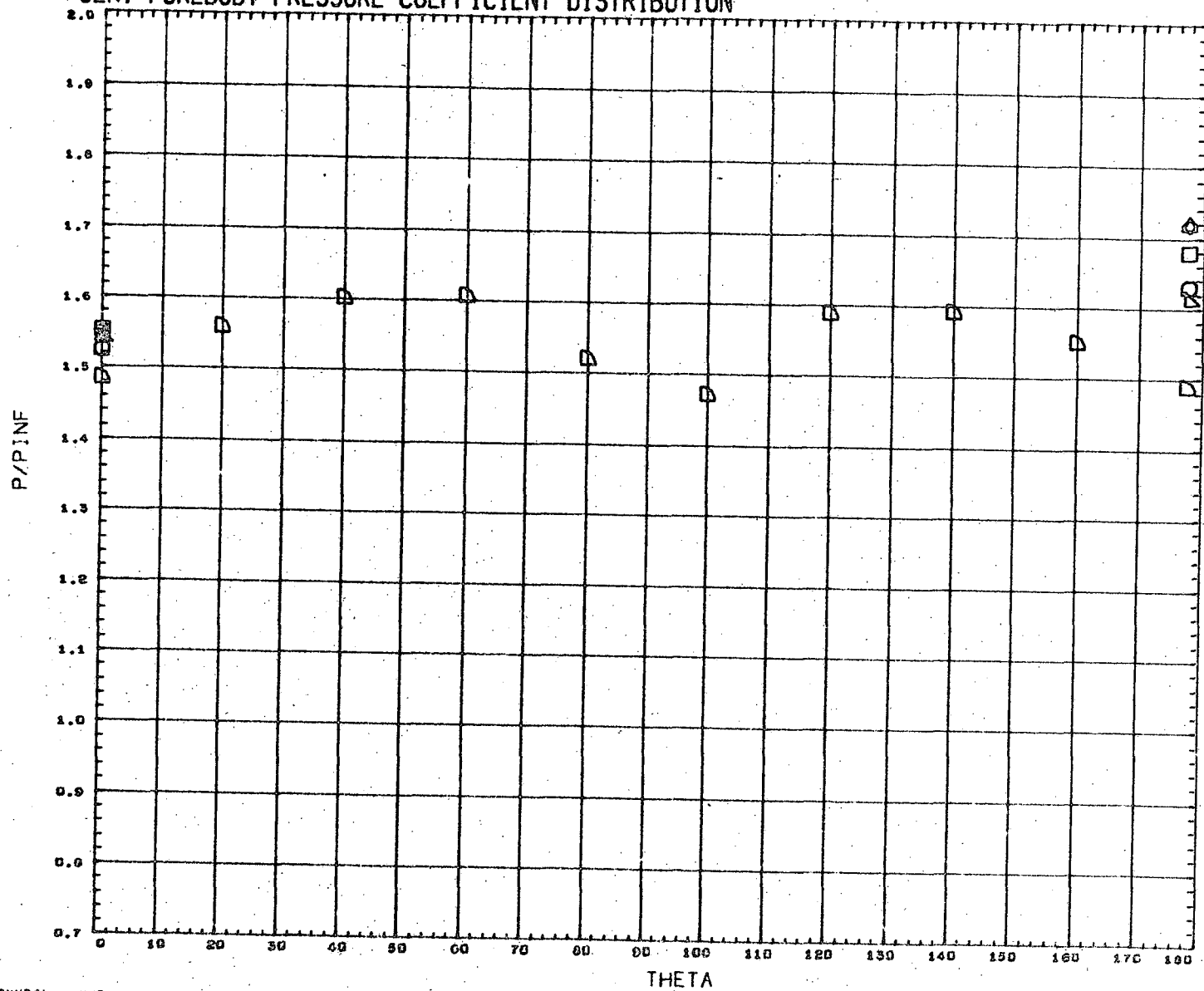
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.527	812.557	0.902	572.537	50. IN.	27.000	INCHES	0.000	0.000	0.000	ALPHA	0.004
◇	0.505			27.000	INCHES	27.000	INCHES	0.000	0.000	404.679	WS/WPC	0.000
□	0.468			0.000	CIAMTR	0.000	CIAMTR	0.000	0.000			
△	0.431			0.000	CIAMTR	0.000	CIAMTR	0.000	0.000			
▽	0.394			0.000	CIAMTR	0.000	CIAMTR	0.000	0.000			
◇	0.357	88708032.FEIGE	CCSD TN-AP-70-443									

FNID/e



WATERBURY, FLORE : CC88 TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

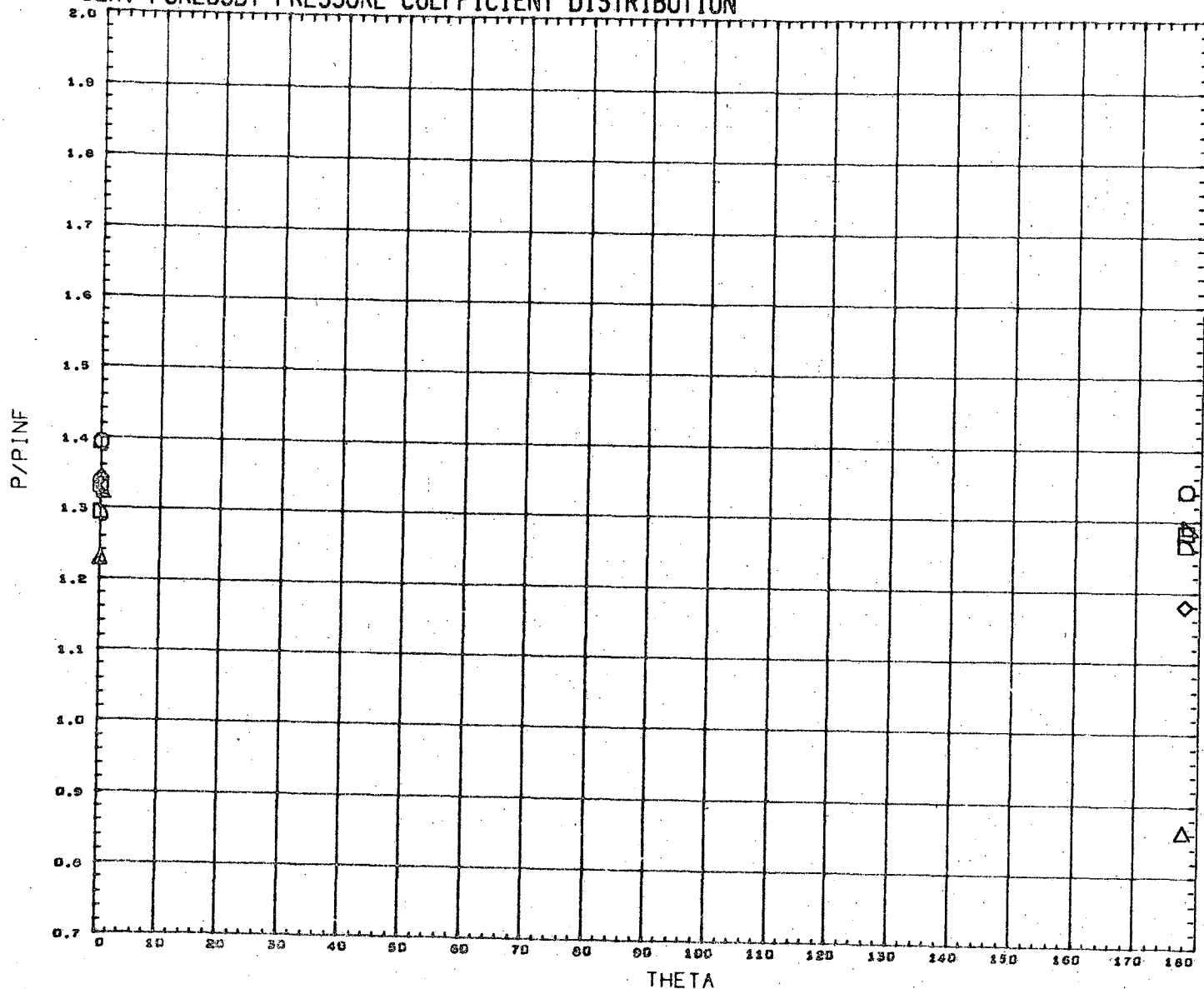


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.736	395.993	1.100	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	0.699			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	0.662											
□	0.625											
▽	0.508											
◇	0.551											

DB75R2003.FCLGE CCSD TM-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

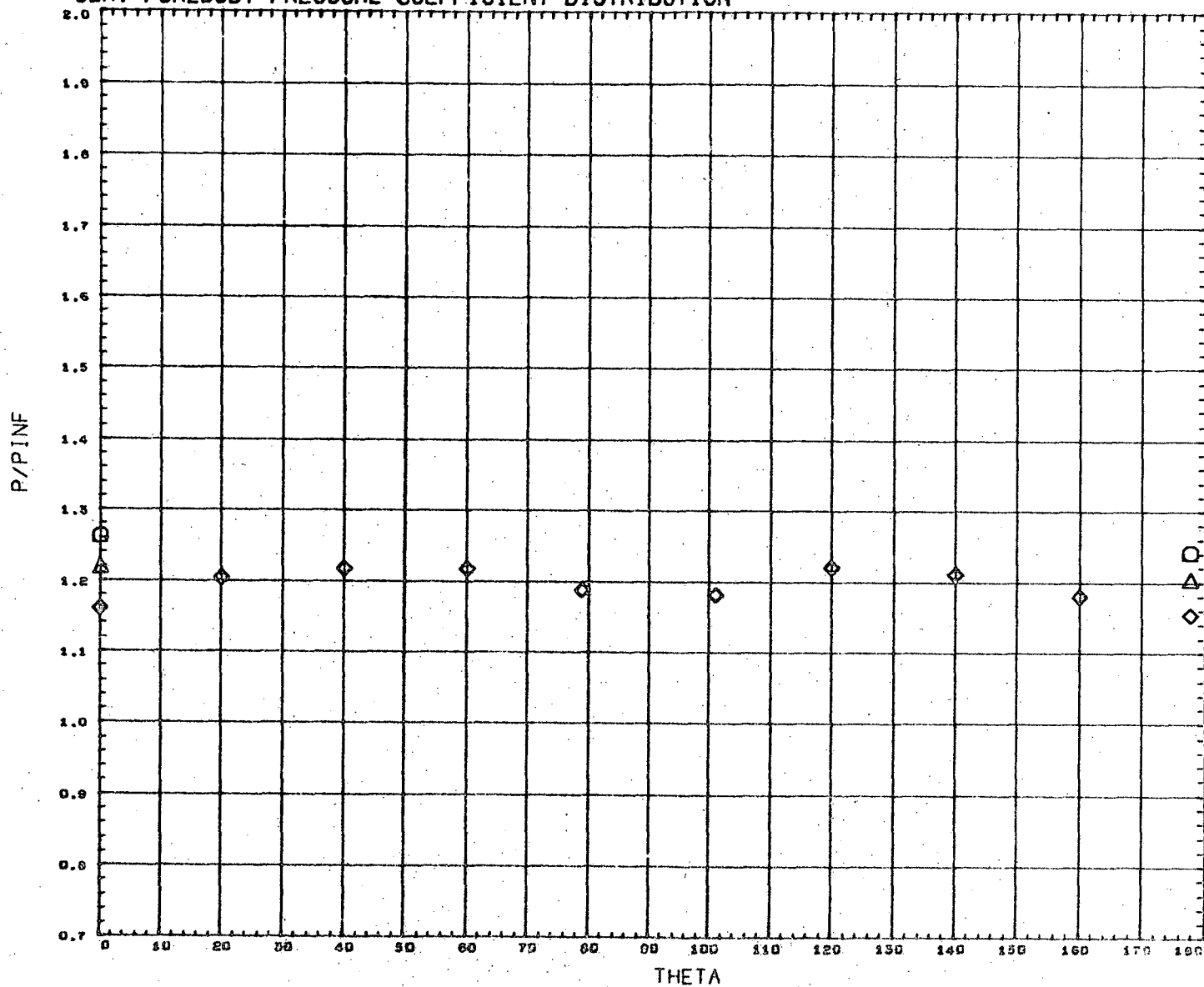


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	395.993	1.100	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.508				INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WPC 0.000
△	0.331									
□	0.394									
◇	0.357									

DATA SOURCE: CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL



X/D

FRATIO

MACH

0.320
0.202
0.260

395.993

1.100

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

58.1N.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

0.000 ALPHA 0.004
404.679 WS/WFC 0.000

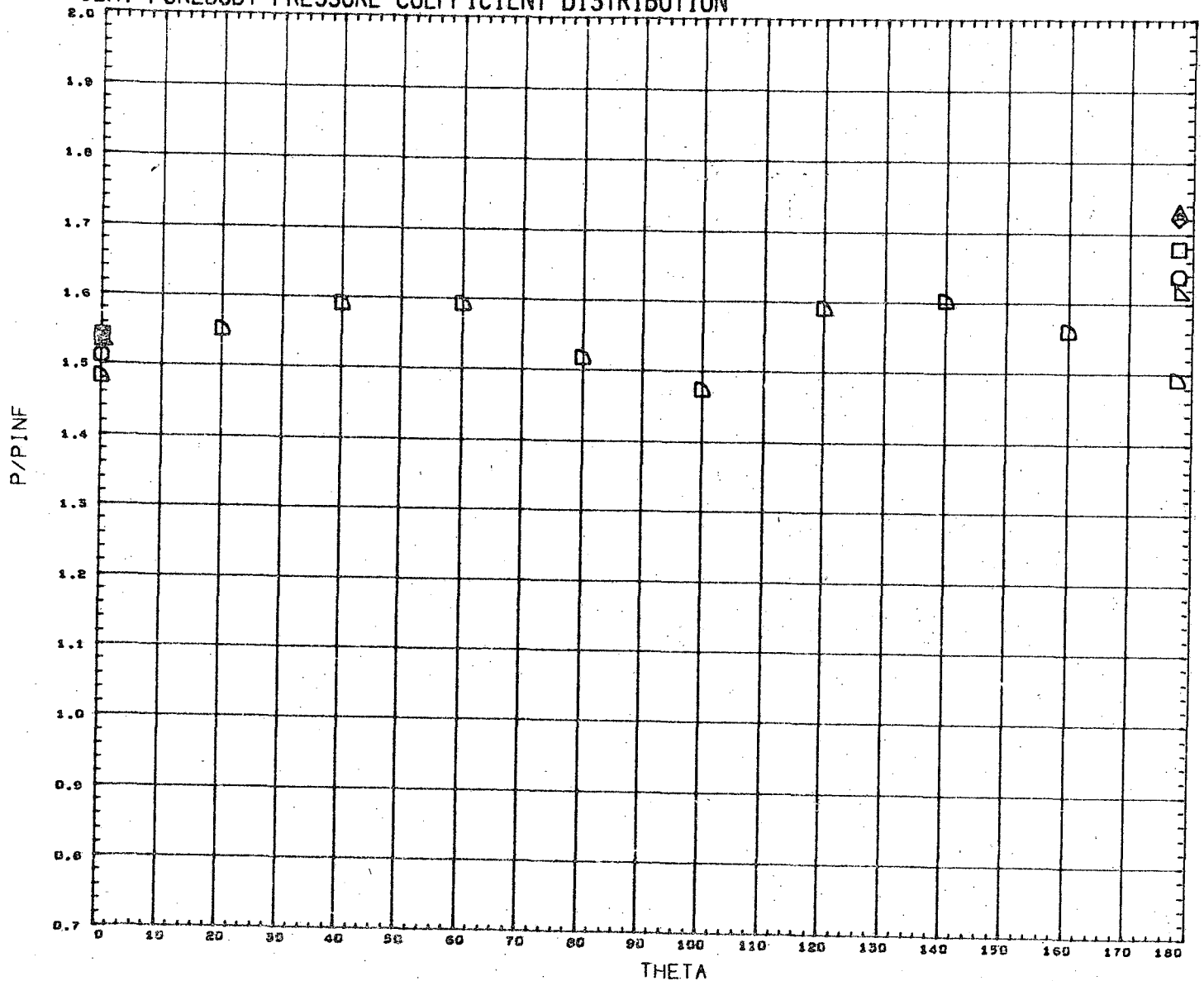
00058008.FIG08 CC60 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



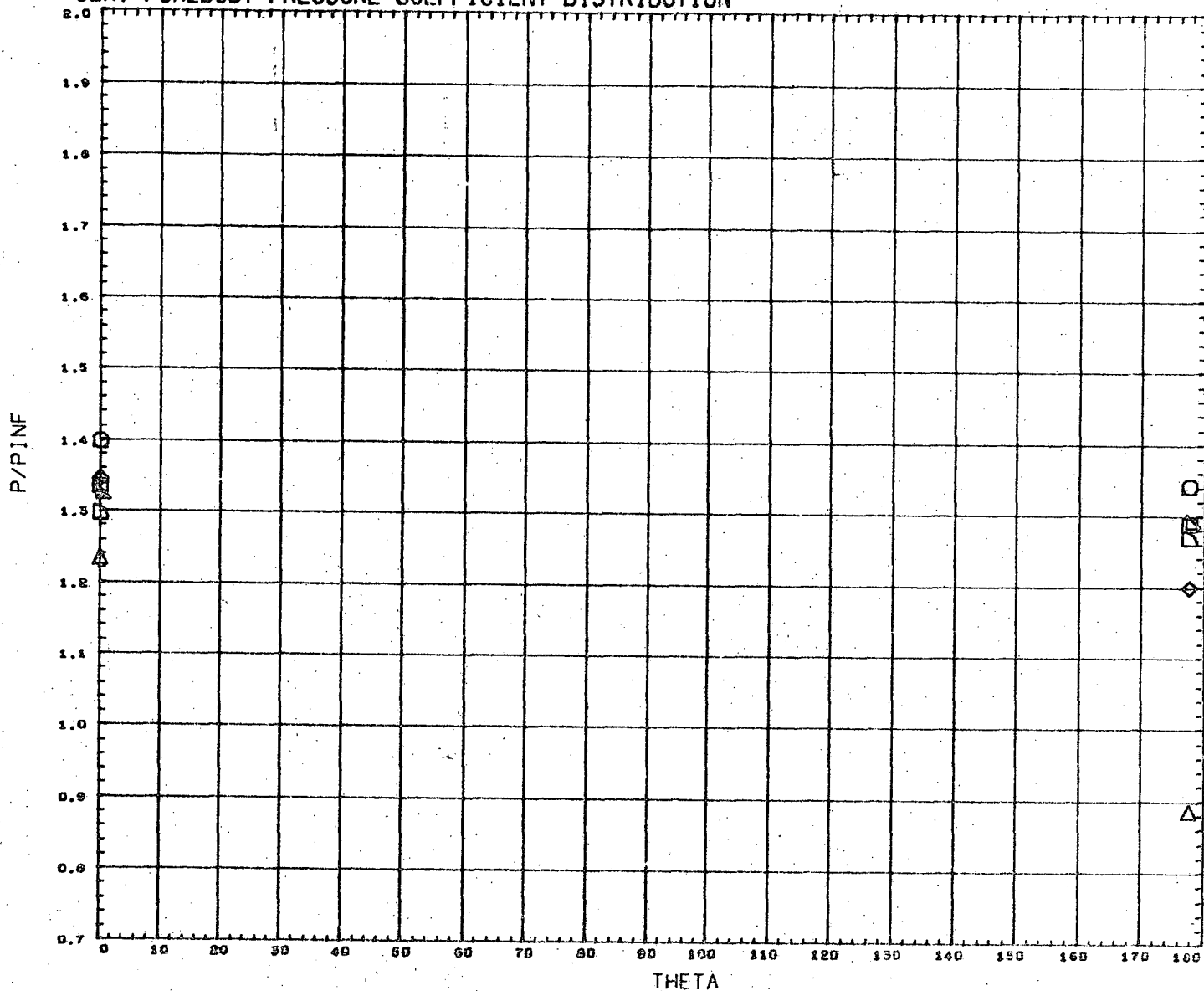
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.735	491.386	2.101	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699									PC 404.679 WS/WFC 0.000
△	0.682									
□	0.625									
▢	0.588									
◻	0.551									

BUTTERBEE, FSCOE CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



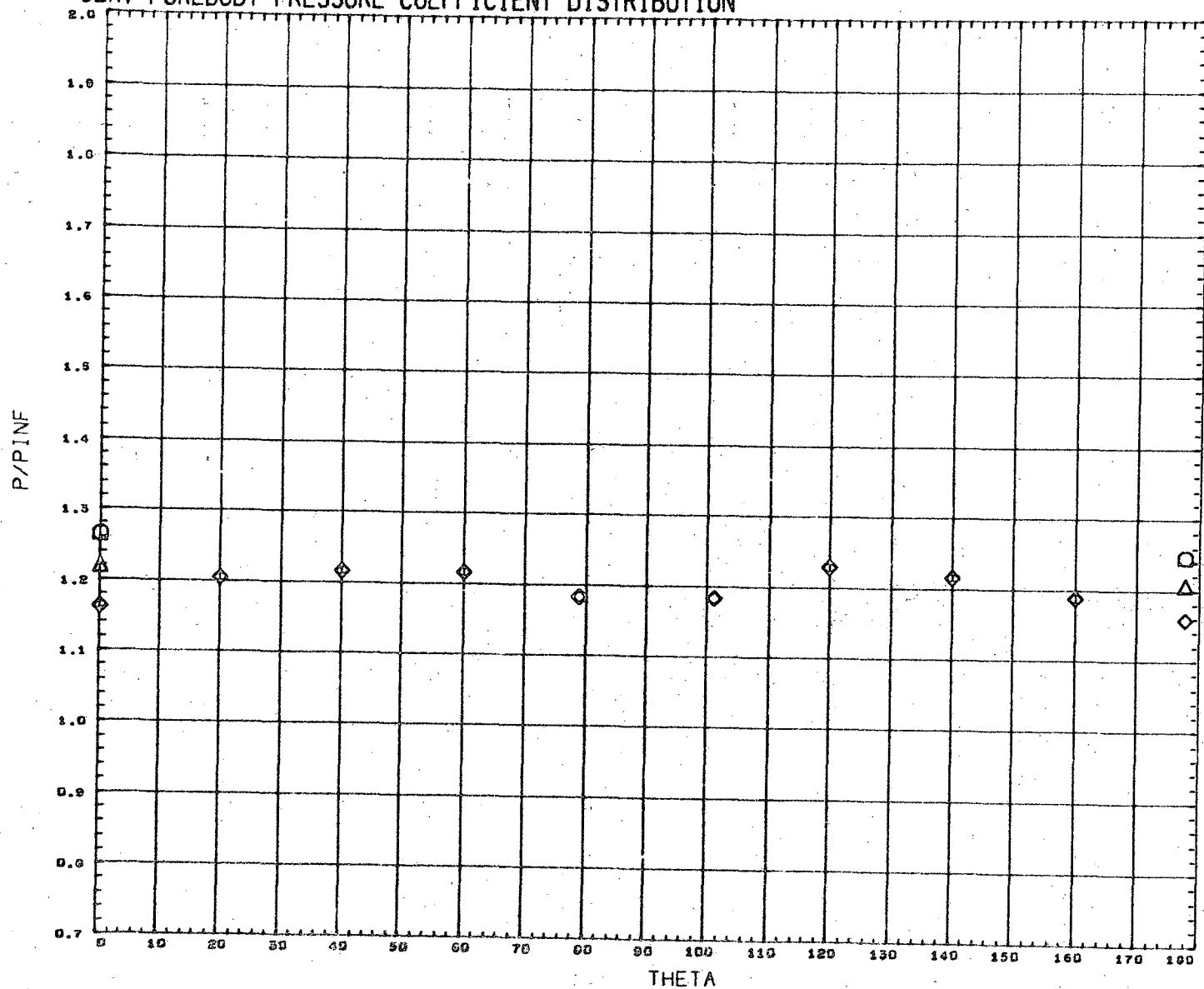
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	59. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.527	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	0.505			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	0.468			XMRP	0.000	DIAMTR			
□	0.431			YMRP	0.000	DIAMTR			
▽	0.394			ZMRP	0.000	DIAMTR			
◇	0.357	0.0000000000000000	CCSD TN-AP-70-048						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SRCF	572.557	SG. IN.	E/DOOR	PARAMETRIC VALUES	
○	0.320	491.380	1.101	LEEF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	0.202			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	0.250			XMRP	0.000	DIANTR			
				YMRP	0.000	DIANTR			
				ZMRP	0.000	DIANTR			

BARBERS PT. FLD. CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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Figure 1 is a scatter plot titled "Porebody Pressure Coefficient Distribution". The x-axis is labeled "Porebody Pressure Coefficient" and ranges from 0 to 180 with major grid lines every 10 units. The y-axis is labeled "Frequency" and ranges from 0.7 to 2.0 with major grid lines every 0.1 units. The data points are represented by open circles. The distribution is roughly bell-shaped, peaking around a pressure coefficient of 120.

Porebody Pressure Coefficient	Frequency
0	1.52
10	1.51
20	1.53
40	1.57
60	1.58
80	1.50
100	1.46
120	1.57
140	1.58
160	1.51
170	1.58
175	1.68
180	1.65
185	1.62
190	1.68
195	1.65
200	1.62
205	1.68
210	1.65
215	1.62
220	1.68
225	1.65
230	1.62
235	1.68
240	1.65
245	1.62
250	1.68
255	1.65
260	1.62
265	1.68
270	1.65
275	1.62
280	1.68
285	1.65
290	1.62
295	1.68
300	1.65

○
◇
□
△
◐

0.736
0.699
0.662
0.625
0.588
0.551

599.127

BEUTLER

1.089

FF00E

CC-BY TH-AR-70-444

SREF
LREF
BREF
XMRP
YMRP
ZMRP

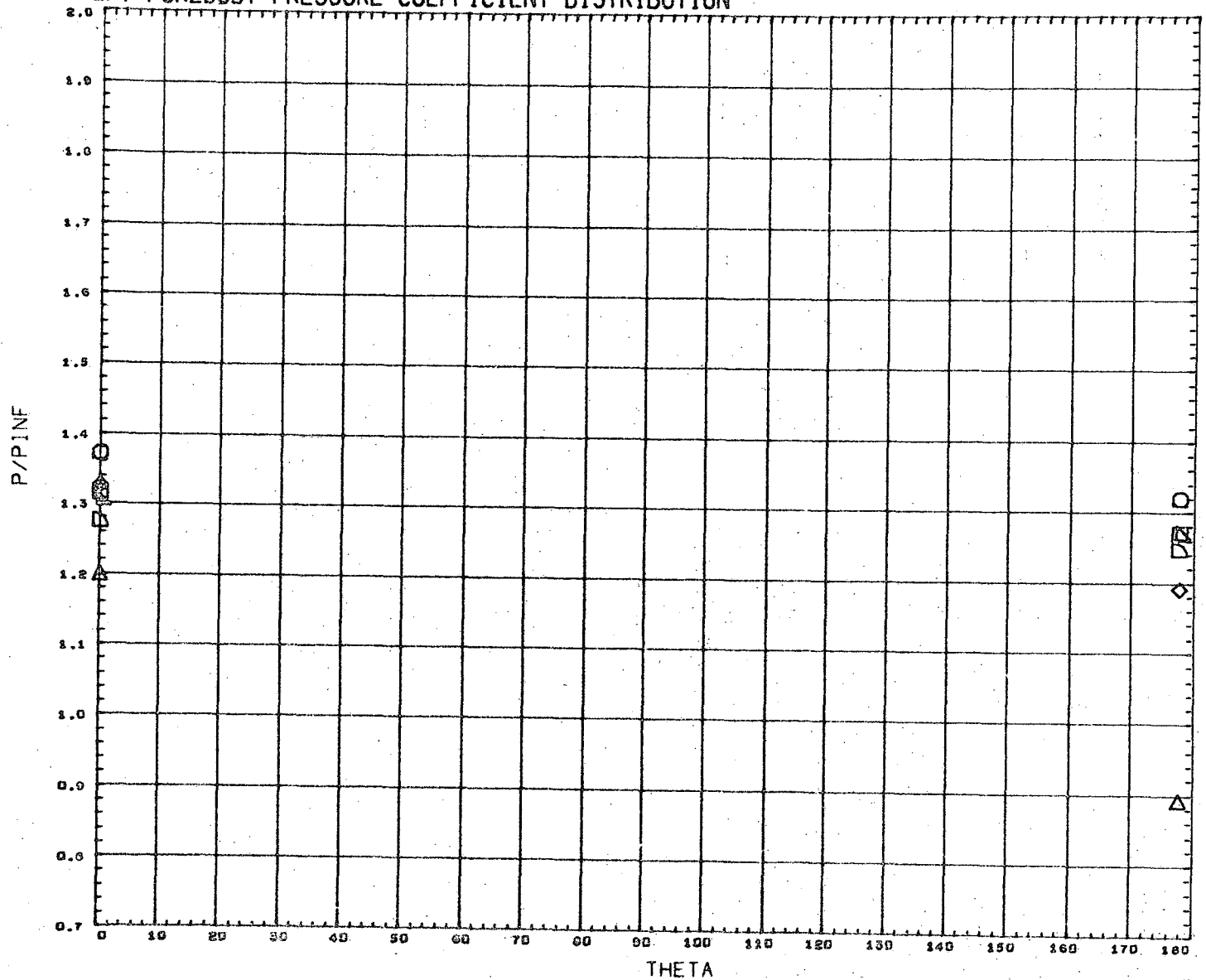
572.557
27.000
27.000
0.000
0.000
0.000

39. IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

0.000	ALPHA	0.004
404.679	W3/WPC	0.000

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



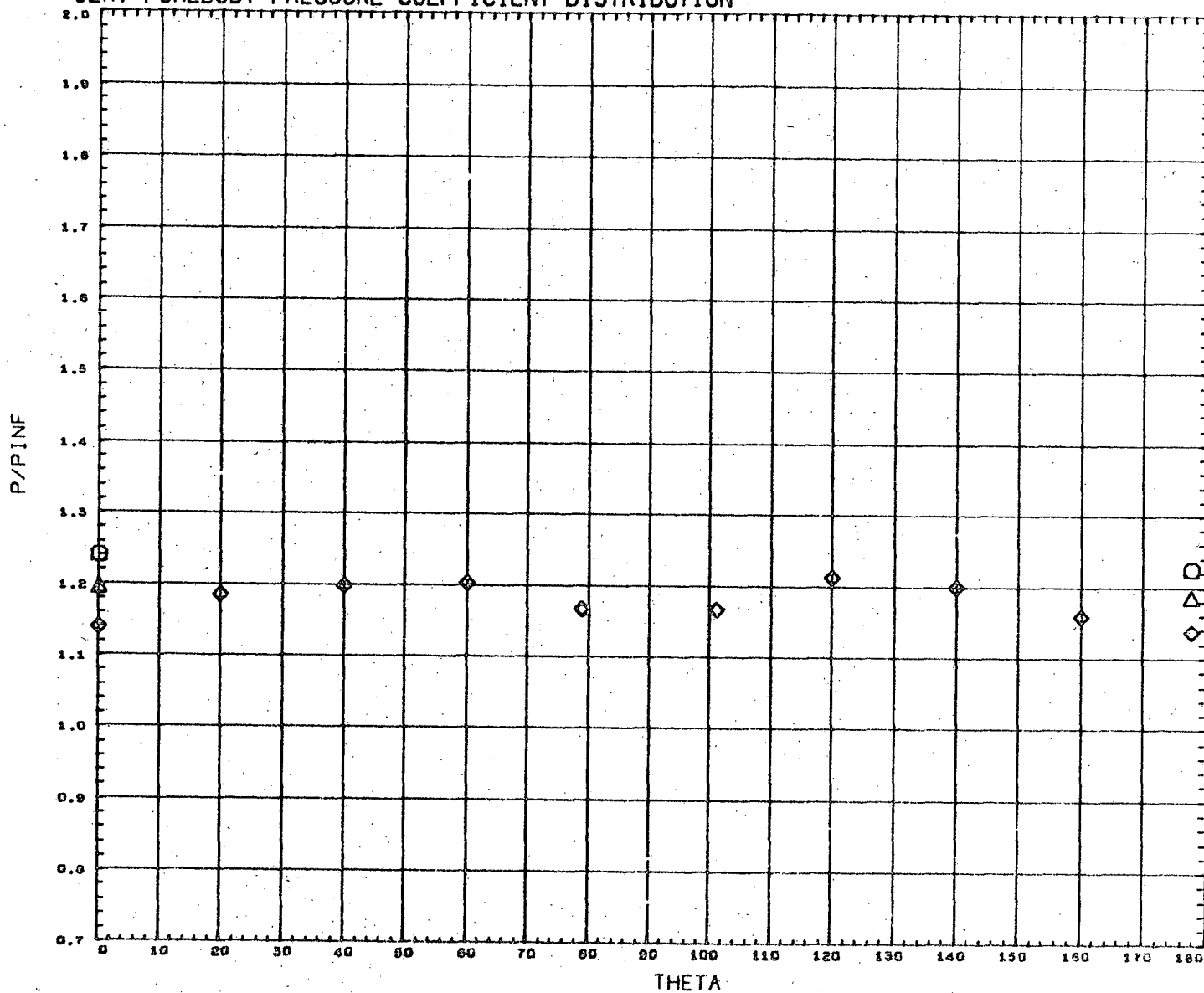
SYMBOL	X/D	PRATIO	MACH	SKEF	LREF	BREF	XMRP	YMRP	ZMRP	SO.IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
0.527	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	0.000	50.000	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.000	0.000	0.000	0.000	0.000
0.505																					
0.493																					
0.431																					
0.394																					
0.337																					

85780002.FCCE CC80 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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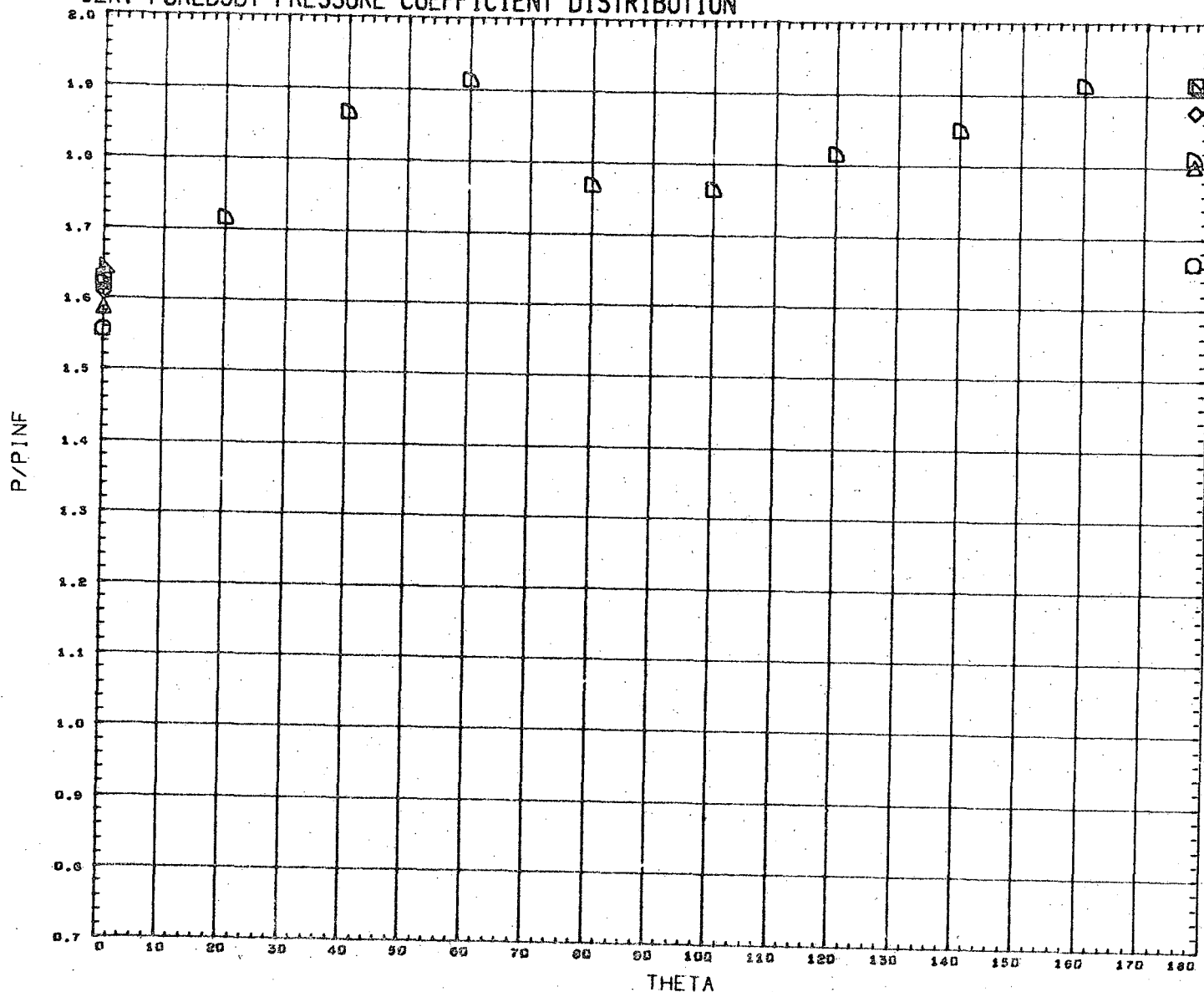
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SG IN.	E/DOOR	PARAMETRIC VALUES	
○	0.320	599.127	1.069	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	0.282			BREF	27.000	INCHES		404.679	WS/WPC 0.000
◇	0.260			XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

DATA REDUCED FROM CCSD TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

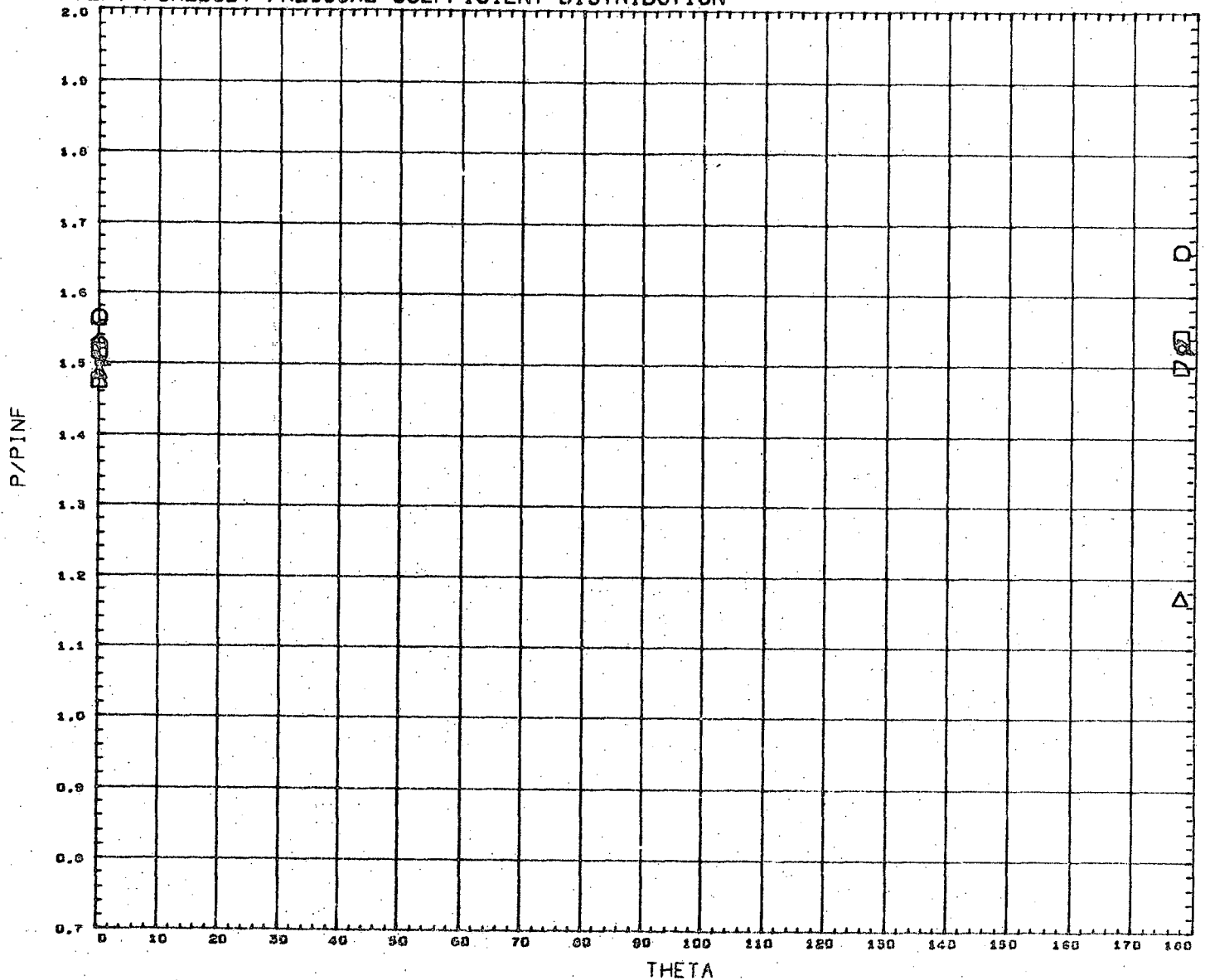


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	E/DOOR	FC	PARAMETRIC VALUES
○	0.736	405.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	INCHES	0.000	404.679	ALPHA 0.004
△	0.692									INCHES			WS/WPC 0.000
◇	0.662												
□	0.625									DIAHTR			
▢	0.598									DIAHTR			
◻	0.551									DIAHTR			

05702000.FICSE CC90 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



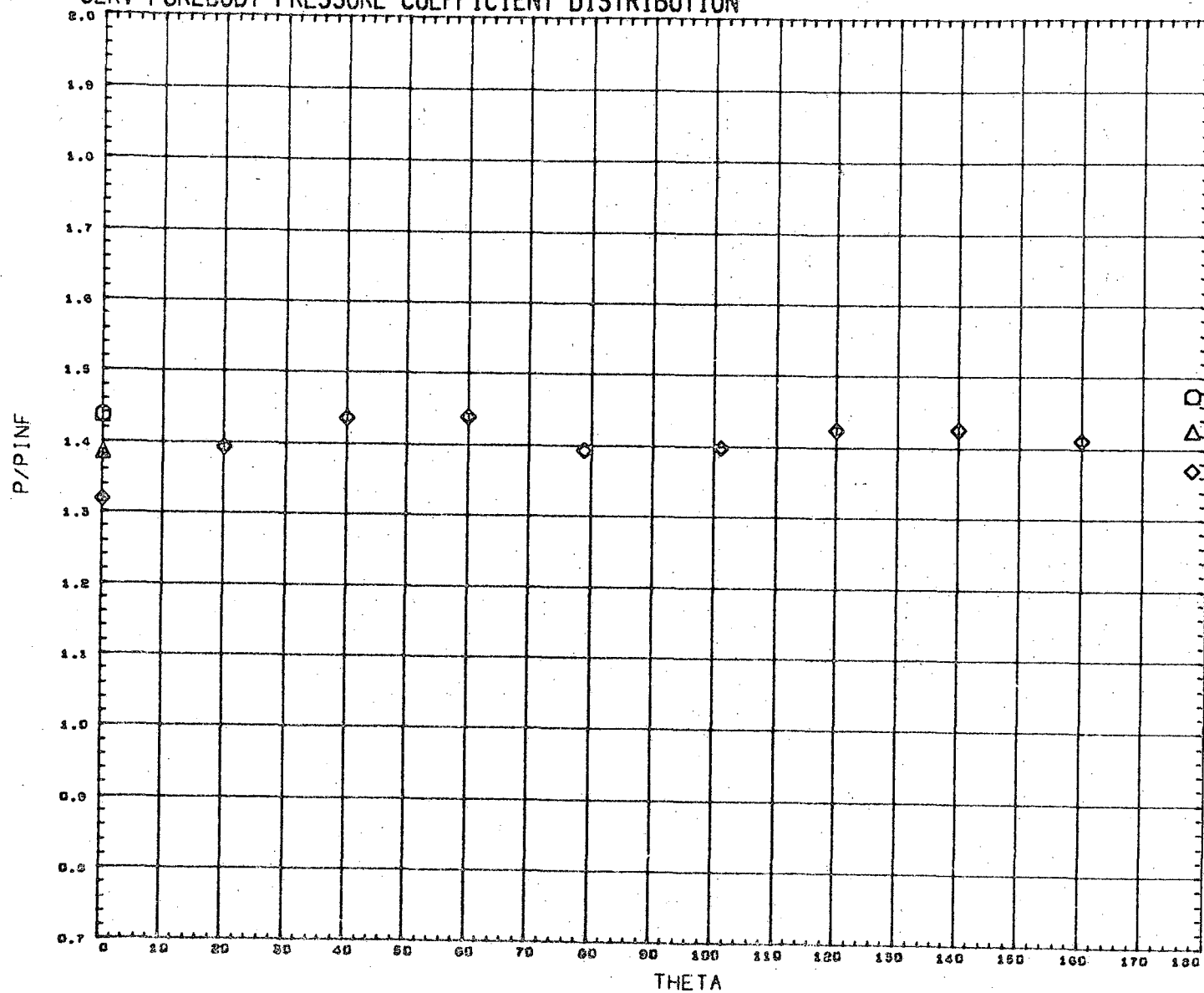
SYMBOL	X/D	PRATIO	HACH	SREF	572.557	58. IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	0.527	406.123	1.254	LREF	27.000	INCHES	FC	0.000	WS/WFC	0.000
△	0.505			BREF	27.000	INCHES				
◇	0.468			XMRP	0.000	DIAMTR				
◊	0.431			YMRP	0.000	DIAMTR				
◻	0.394			ZMRP	0.000	DIAMTR				
◼	0.357	DATABOOK.FC00E	CC90 TN-AP-70-449							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



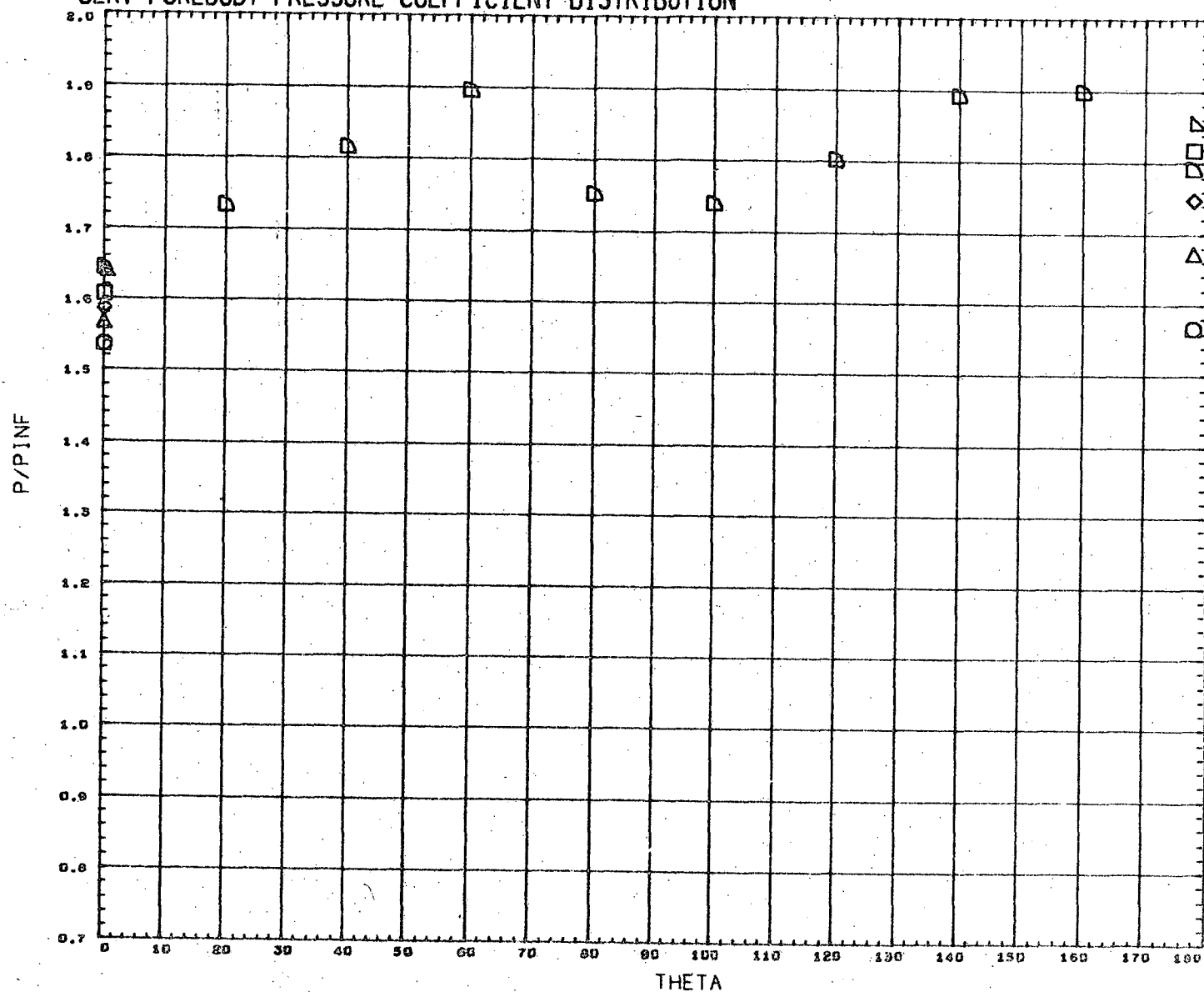
SYMBOL	X/D	PRATIO	MACH					PARAMETRIC VALUES		
○	0.320	406.123	1.254	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	0.267			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	0.250			BREF	27.000	INCHES				
				XMRF	0.000	DIAMTR				
				YMRF	0.000	DIAMTR				
				ZMRF	0.000	DIAMTR				

DDTAR0068.FIC08 CC80 TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



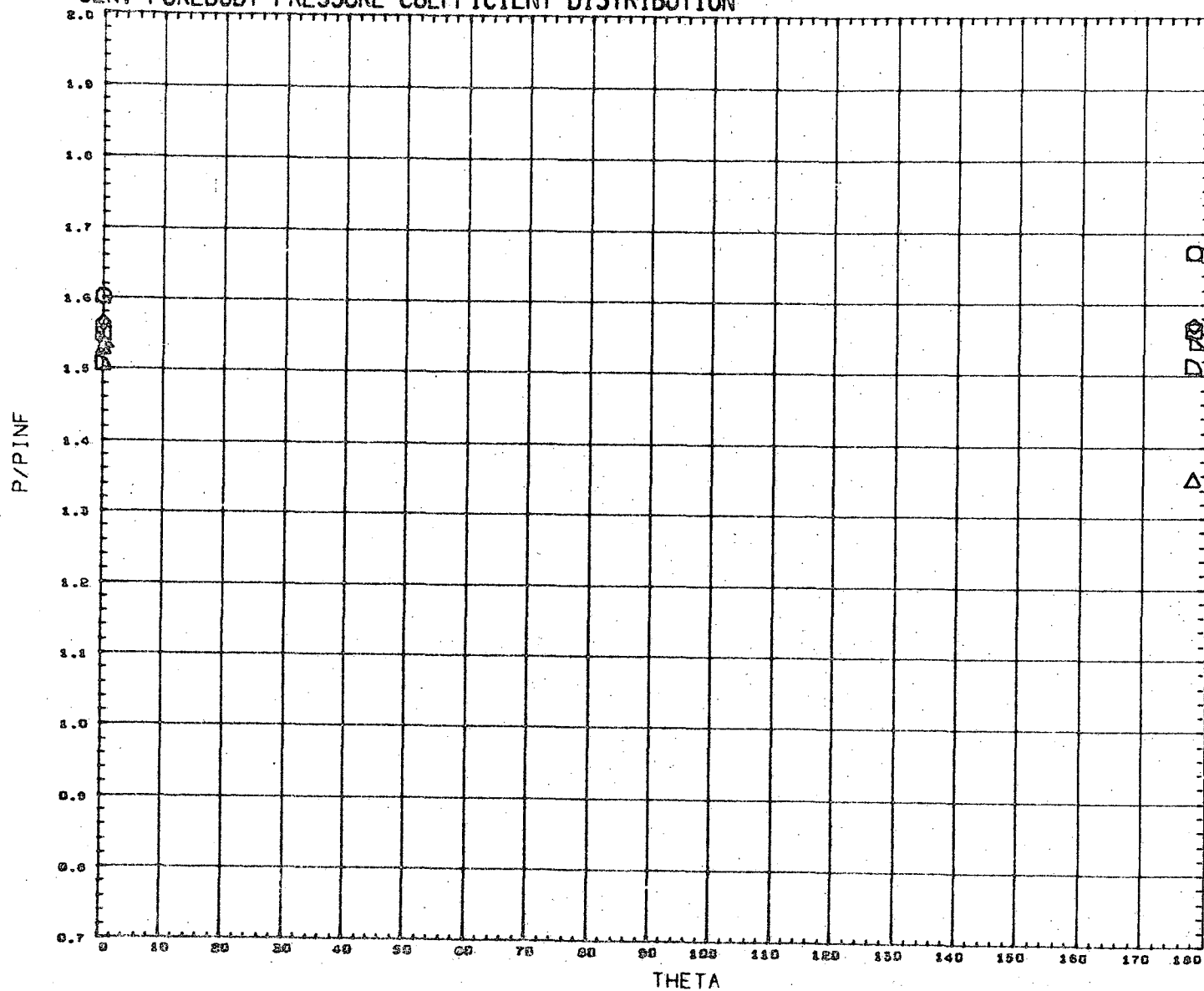
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	0.699			27.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
△	0.662									
▽	0.625									
□	0.588									
○	0.551									

DATA SOURCE: FPCOE CCOD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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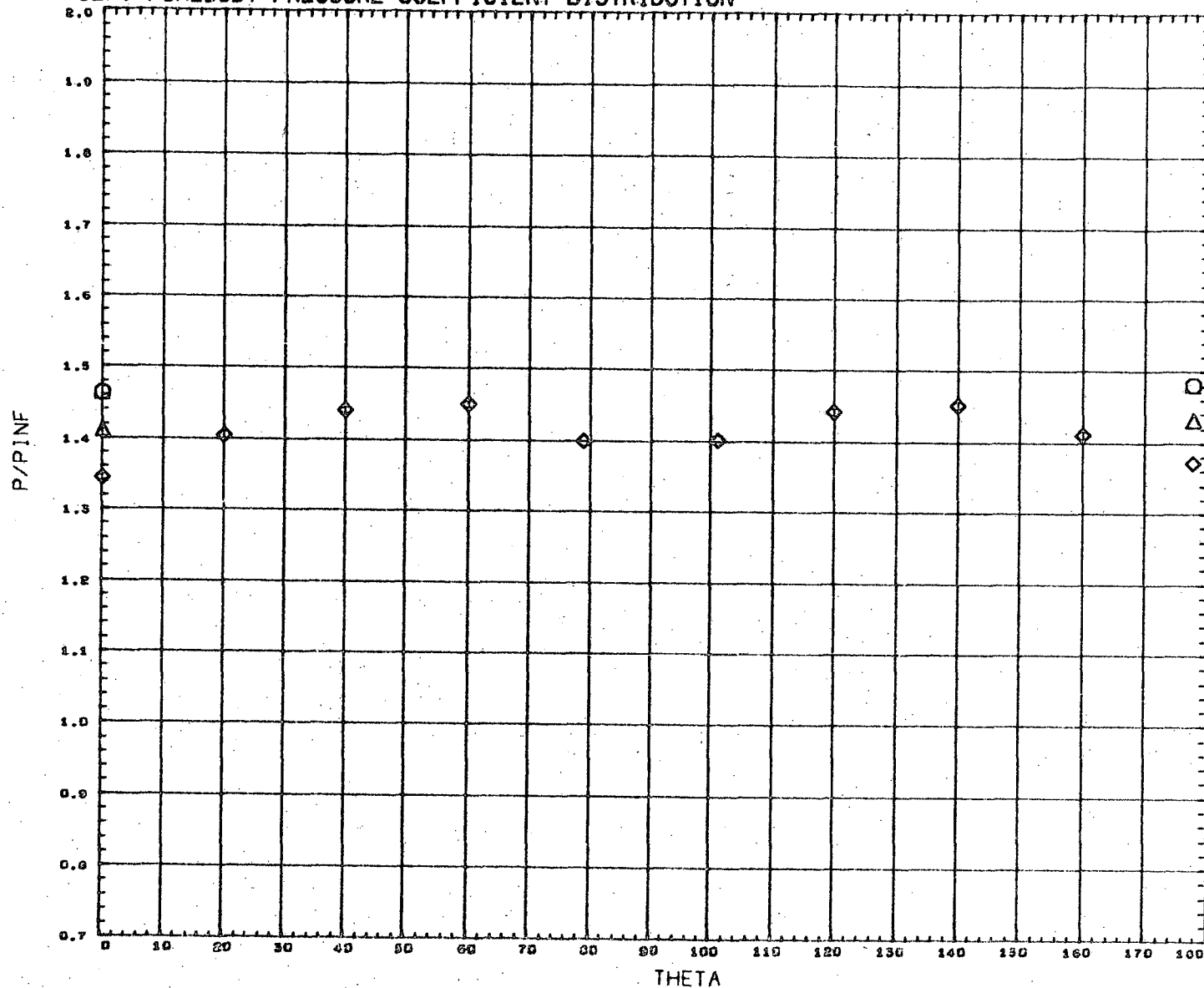
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES		
○	0.527	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA	0.004	
△	0.505			572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	WS/WPC	0.000	
◇	0.458			572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	WS/WPC	0.000	
□	0.431			572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	WS/WPC	0.000	
▽	0.394			572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	WS/WPC	0.000	
◇	0.357	REVERSE FLOW	CCSD TN-AP-70-445											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



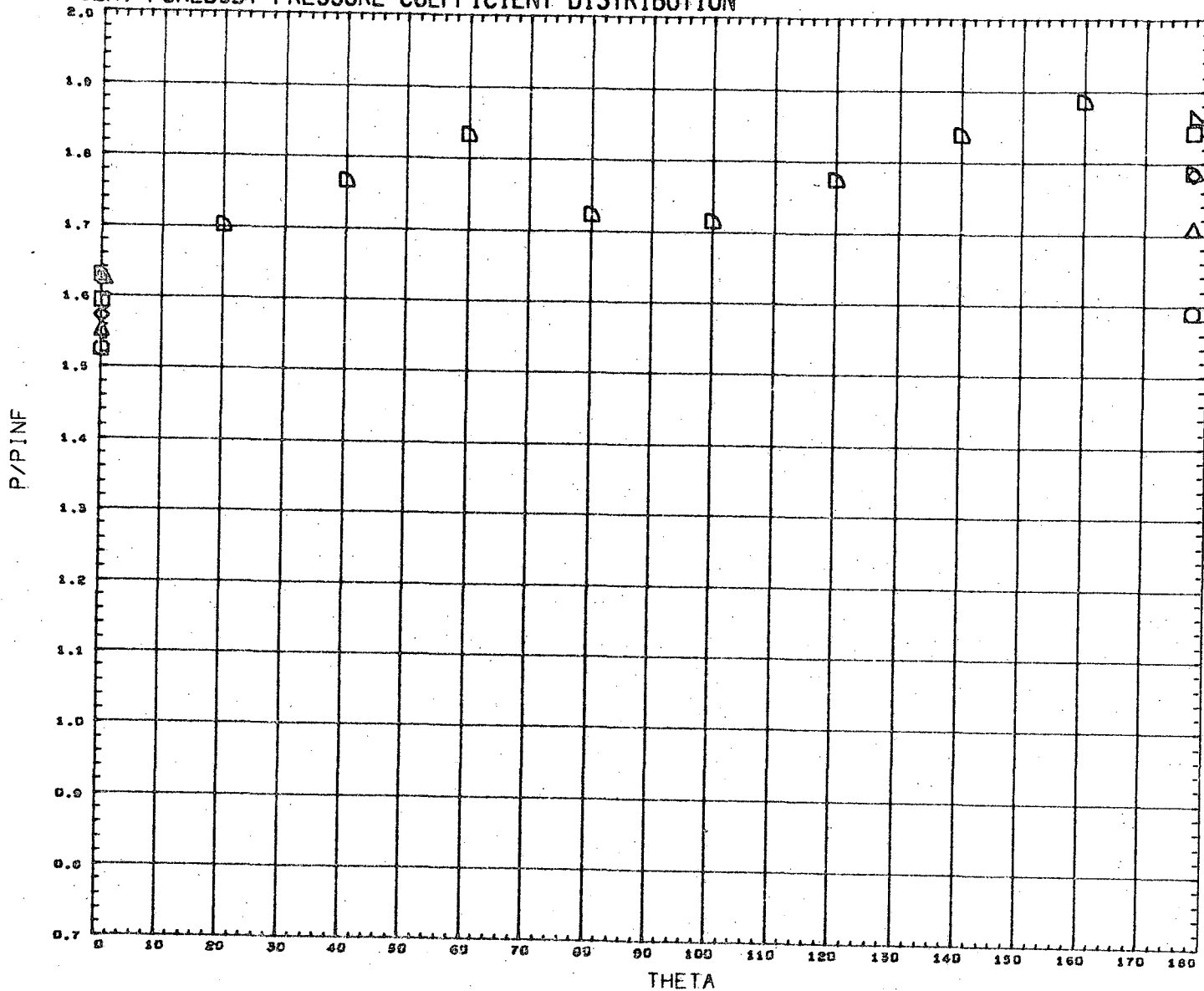
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WFC
○	0.320	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	464.679	0.004	0.000
△	0.282			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	0.260													

DISTRIBUTION OF PRESSURE COEFFICIENTS ON THE FOREBODY OF A JET ENGINE NOZZLE

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/C	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	0.51, 960	1.248	572.557	59. IN.					E/DOOR 0.000 ALPHA 0.004
◇	0.699			27.000	INCHES					PC 404.679 WS/WFC 0.000
◇	0.662			27.000	INCHES					
◇	0.625			0.000	DIAMTR					
◇	0.593			0.000	DIAMTR					
◇	0.551			0.000	DIAMTR					

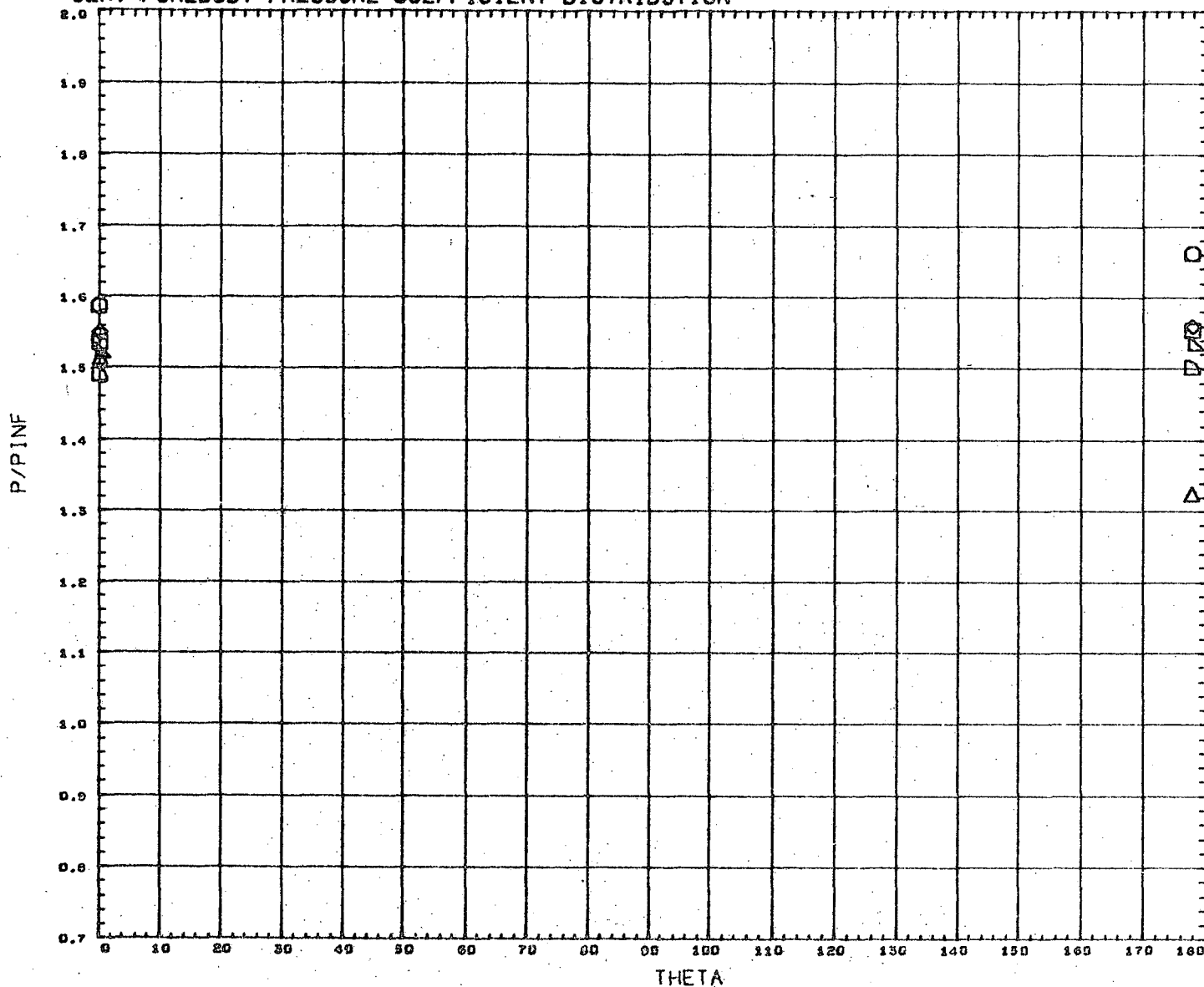
08588888Z.FE08E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7140)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

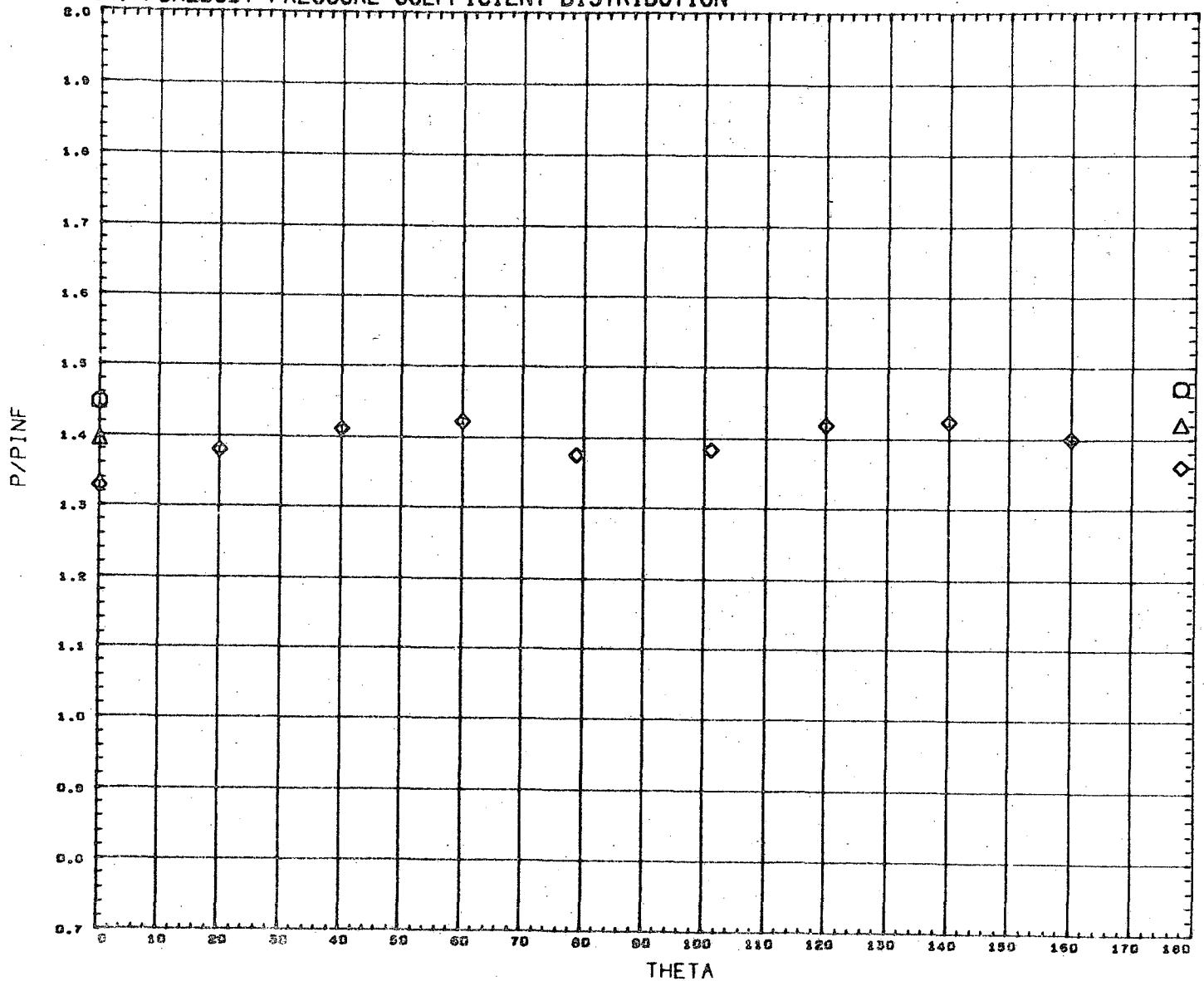


SYMBOL	X/D	FRATIO	MACH	SREF	572.557	50.1H.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	0.004
○	0.527	631.960	1.248	LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000	
△	0.505			BREF	27.000	INCHES					
◇	0.468			XMRP	0.000	DIAMTR					
◊	0.431			YMRP	0.000	DIAMTR					
◻	0.394			ZMRP	0.000	DIAMTR					
◼	0.357	0.000000	0.000								

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7140)

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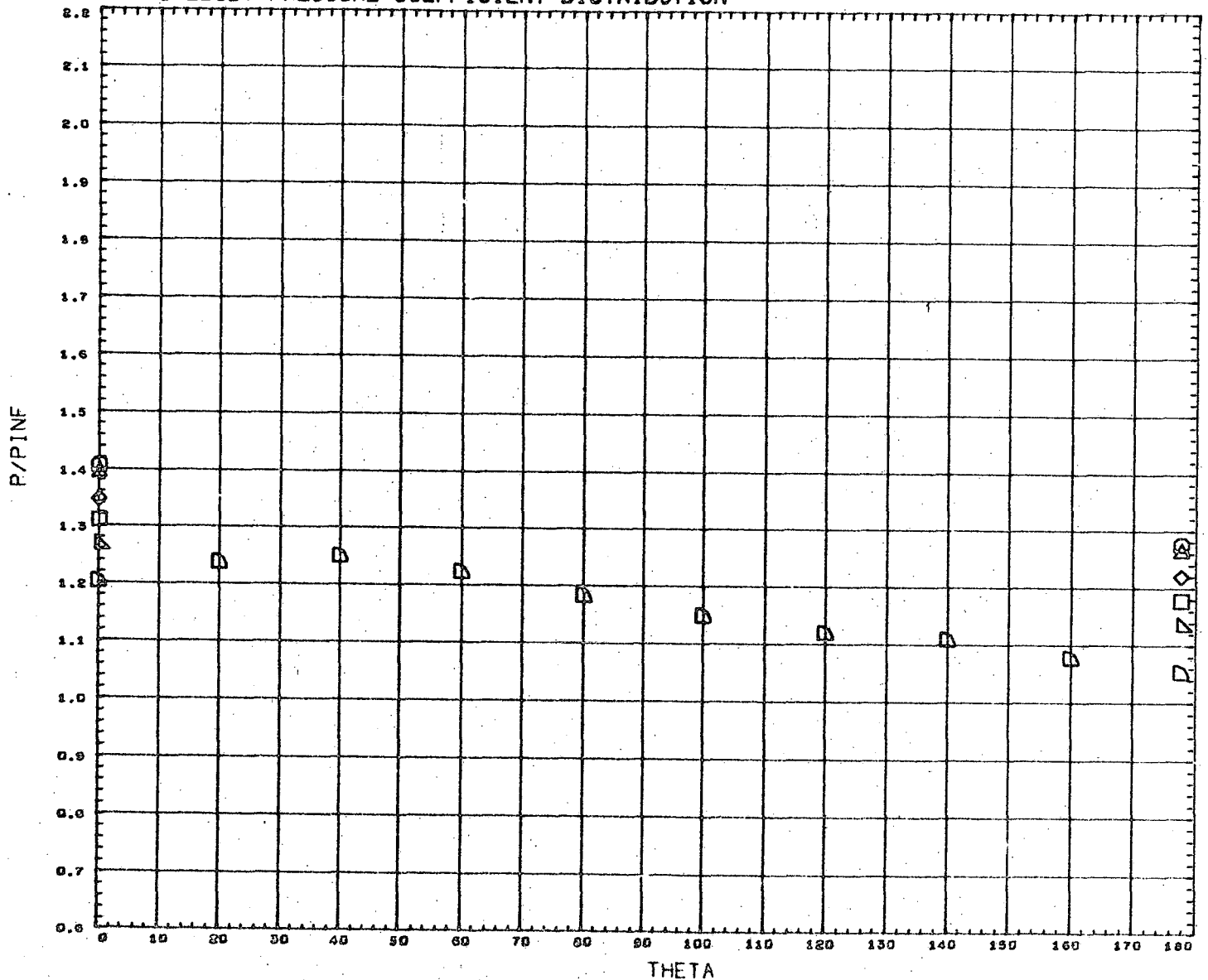
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	572.557	58-IN.	E/DOOR	PARAMETRIC VALUES		
○	0.320	031.990	1.248	LREF	27.000	INCHES	0.000	ALPHA	0.004	
△	0.282			BREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	0.250			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

88788000.FIG02 CCGD TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

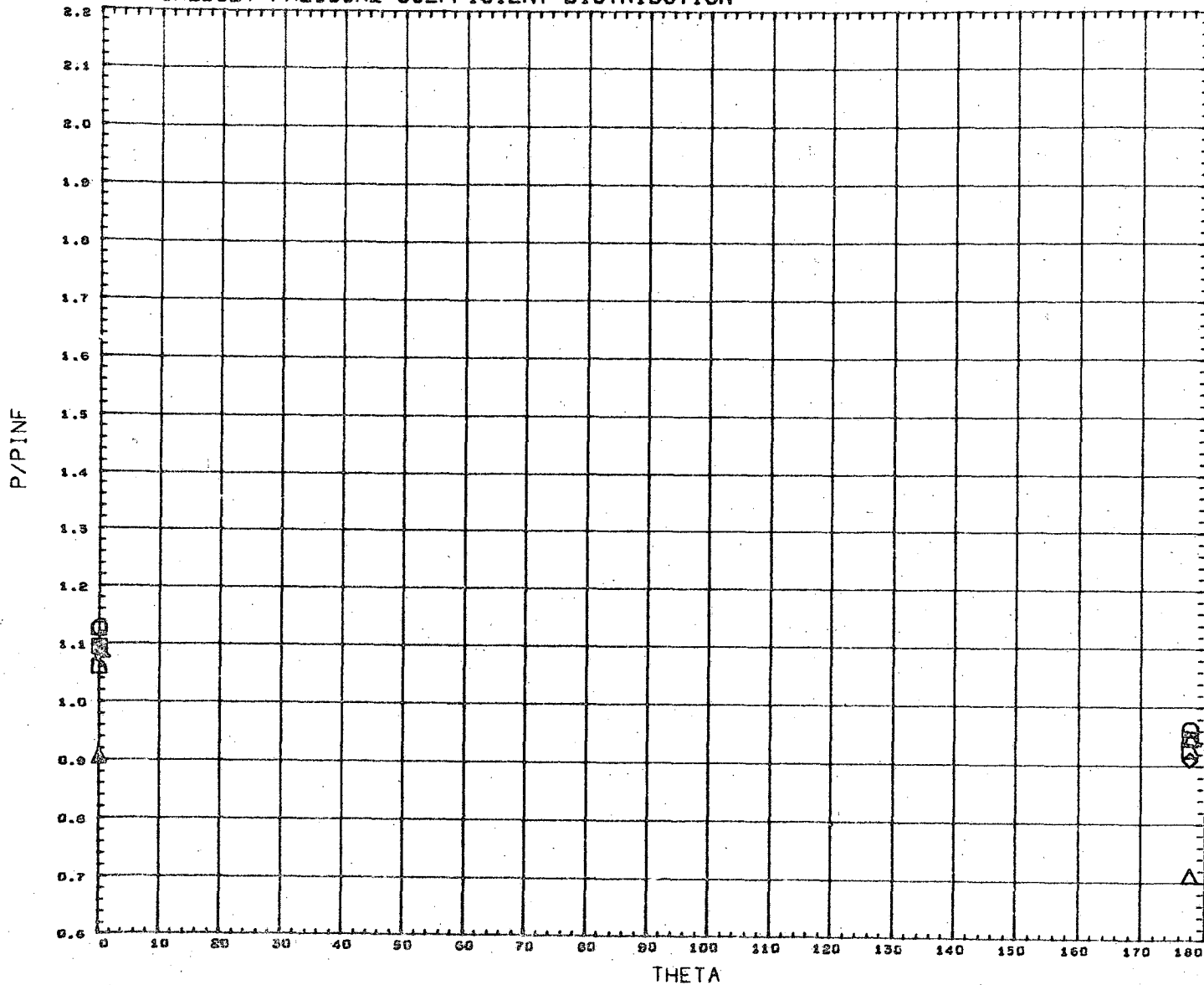


SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES			
○	0.736	299.500	0.801	SREF	572.557	98.1N.	E/DOOR
◇	0.699			LREF	27.000	INCHES	0.000
△	0.662			BREF	27.000	INCHES	ALPHA
□	0.625			XMRP	0.000	DIAMTR	8.022
◇	0.588			YMRP	0.000	DIAMTR	WS/WPC
△	0.551			ZMRP	0.000	DIAMTR	0.000
○	DISBURGE.FOCSE CCGD TN-AP-70-445						PC

AEDC TF250 CCGD/SERV(SIMULATED JET) FOREBODY (BT7148)

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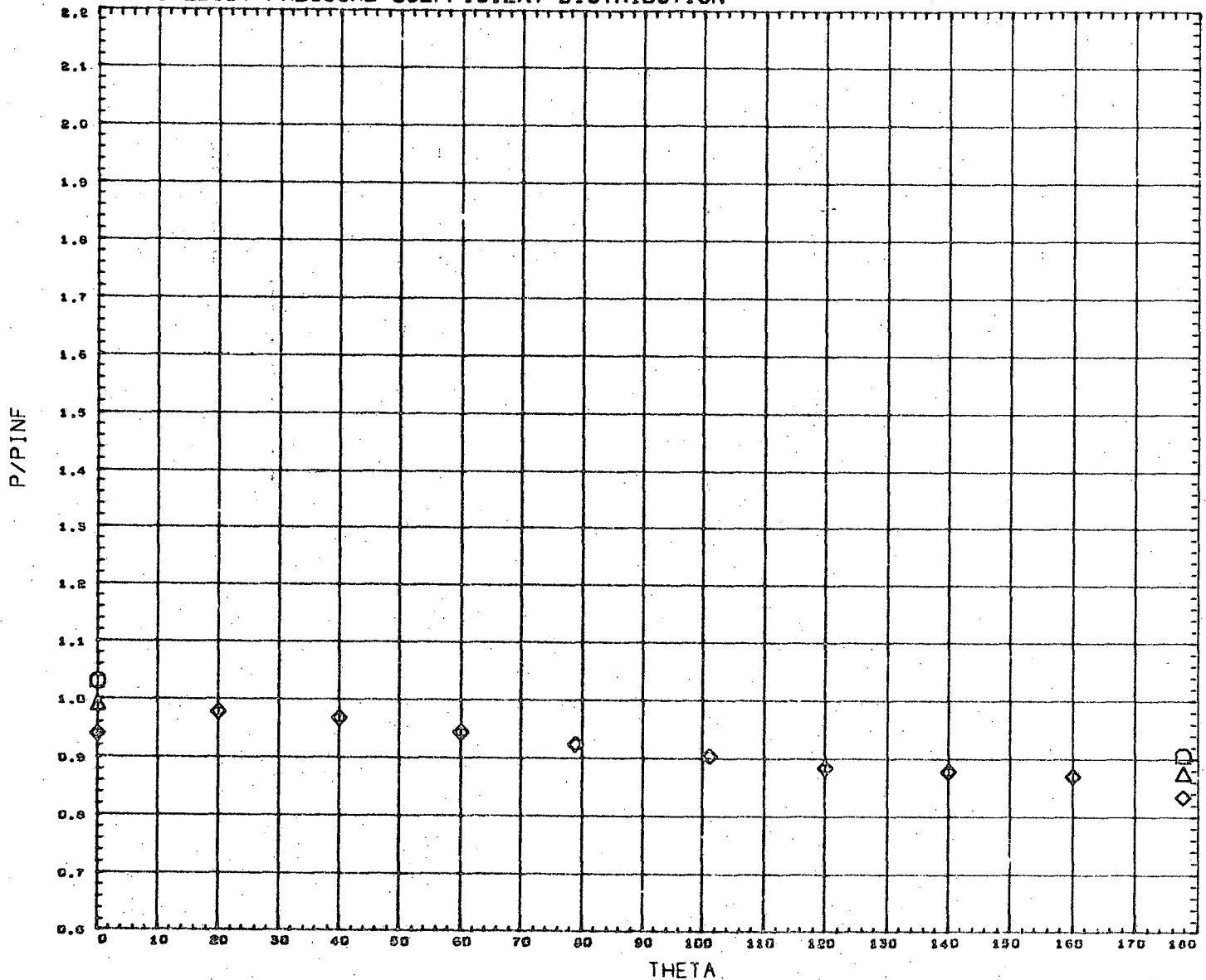
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES
○	0.527	299.500	0.001	LREF	27.000	INCHES	0.000	ALPHA 8.022
◇	0.505			BREF	27.000	INCHES	PC 402.996	WS/WPC 0.000
□	0.450			XHRP	0.000	DIAMTR		
△	0.431			YHRP	0.000	DIAMTR		
▽	0.394			ZHRP	0.000	DIAMTR		
◇	0.357	0.5780000000000000	0.000					

CCSD TH-AP-70-445

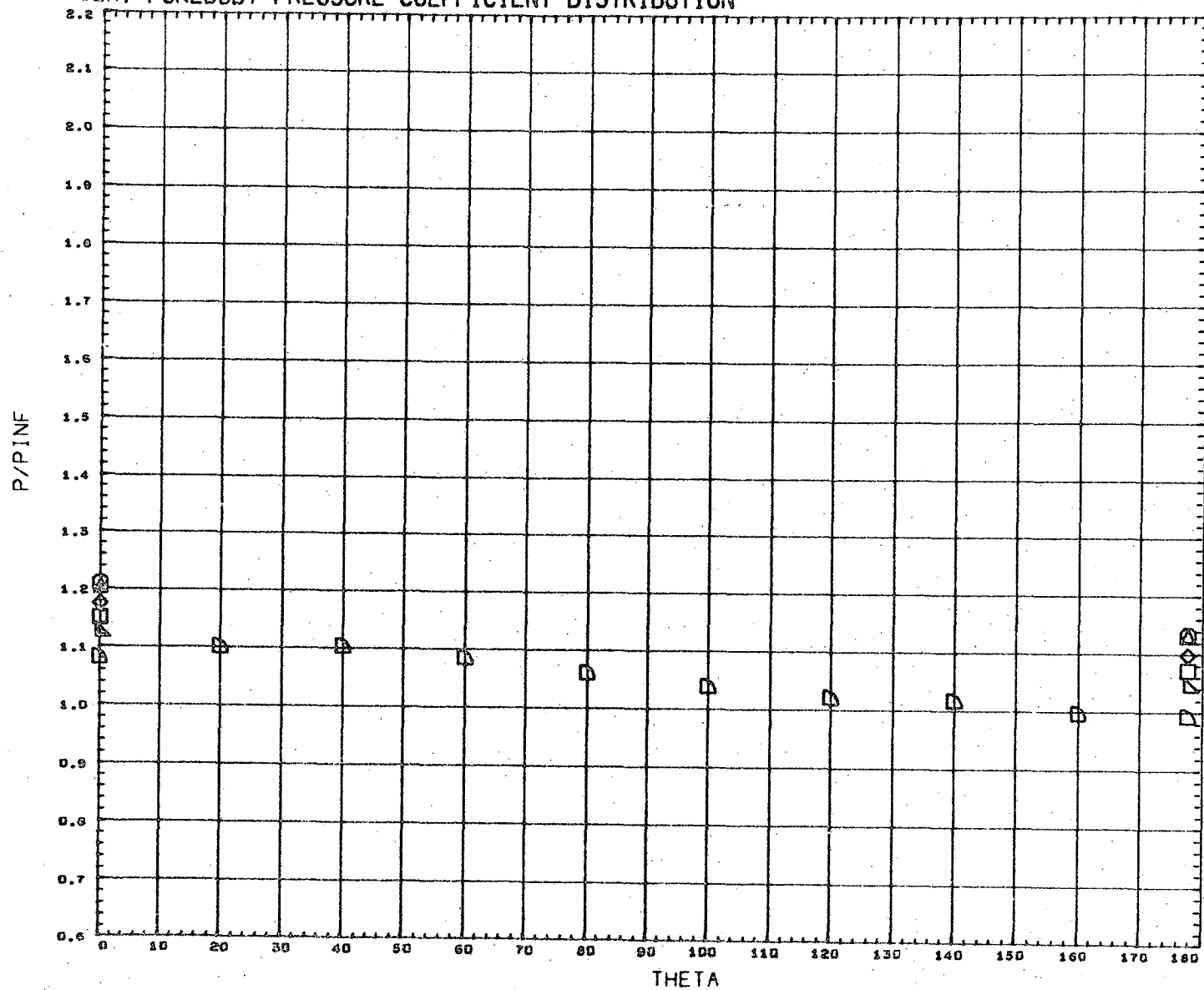
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.320	299.500	0.001	572.557	50. IN.	27.000	INCHES	0.000	DIAMTR	0.000	ALPHA	8.022
△	0.202			27.000	INCHES	0.000	DIAMTR	0.000	DIAMTR	402.996	WS/WPC	0.000
◇	0.260			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR			

DATA FROM: F000E CCSD TN-AP-70-445

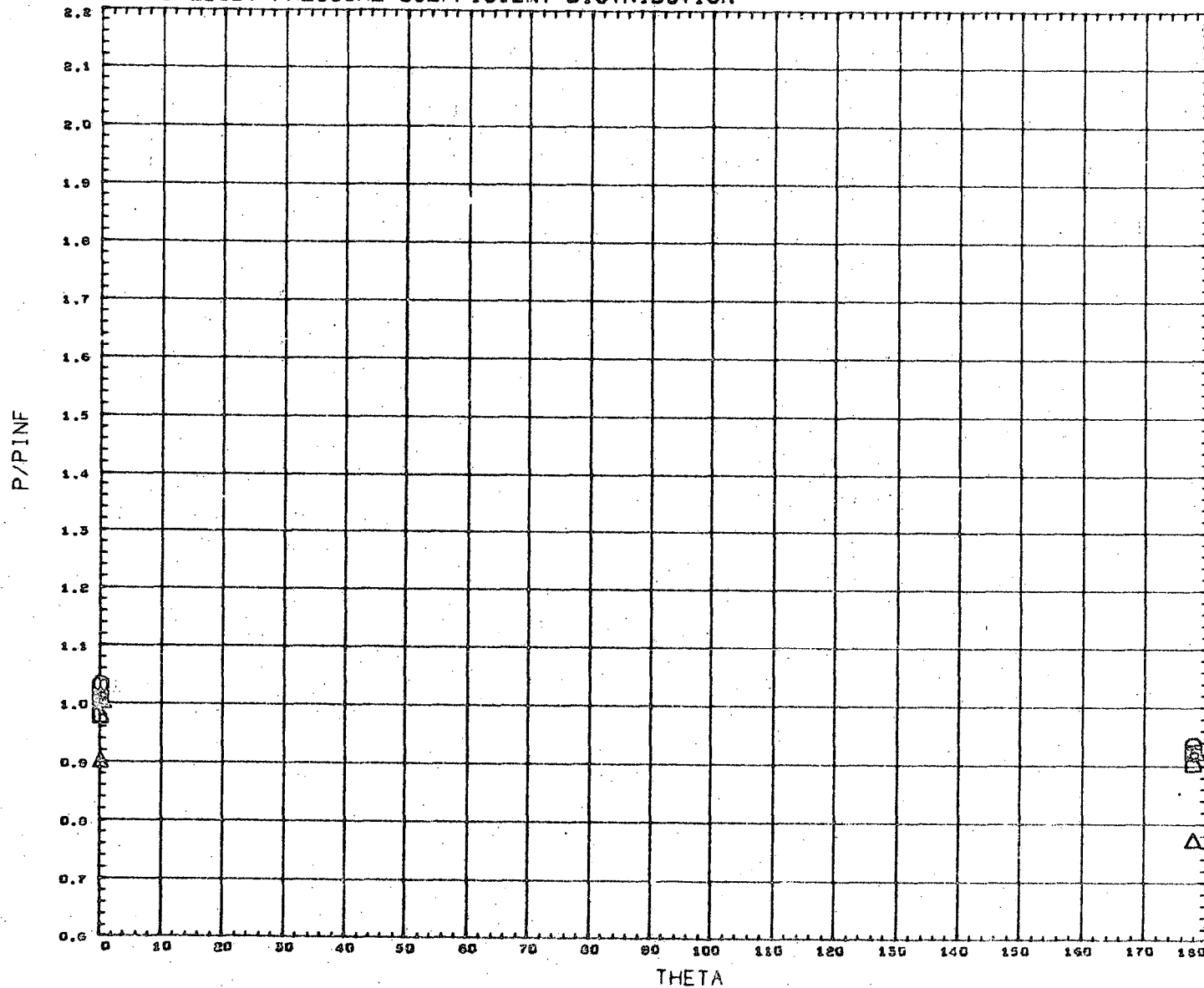
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	SR	INCHES	E/DOOR	PARAMETRIC VALUES
◇	0.736	202.093	0.599	572.557	27.000	27.000	INCHES	0.000	ALPHA 8.022
◇	0.699			27.000	0.000	0.000	INCHES	PC 402.996	WS/WFC 0.000
◇	0.662			0.000	0.000	0.000	DIAHTR		
◇	0.625			0.000	0.000	0.000	DIAHTR		
◇	0.598			0.000	0.000	0.000	DIAHTR		
◇	0.551	0.5740000000000000	CCSD YN-AP-70-445						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



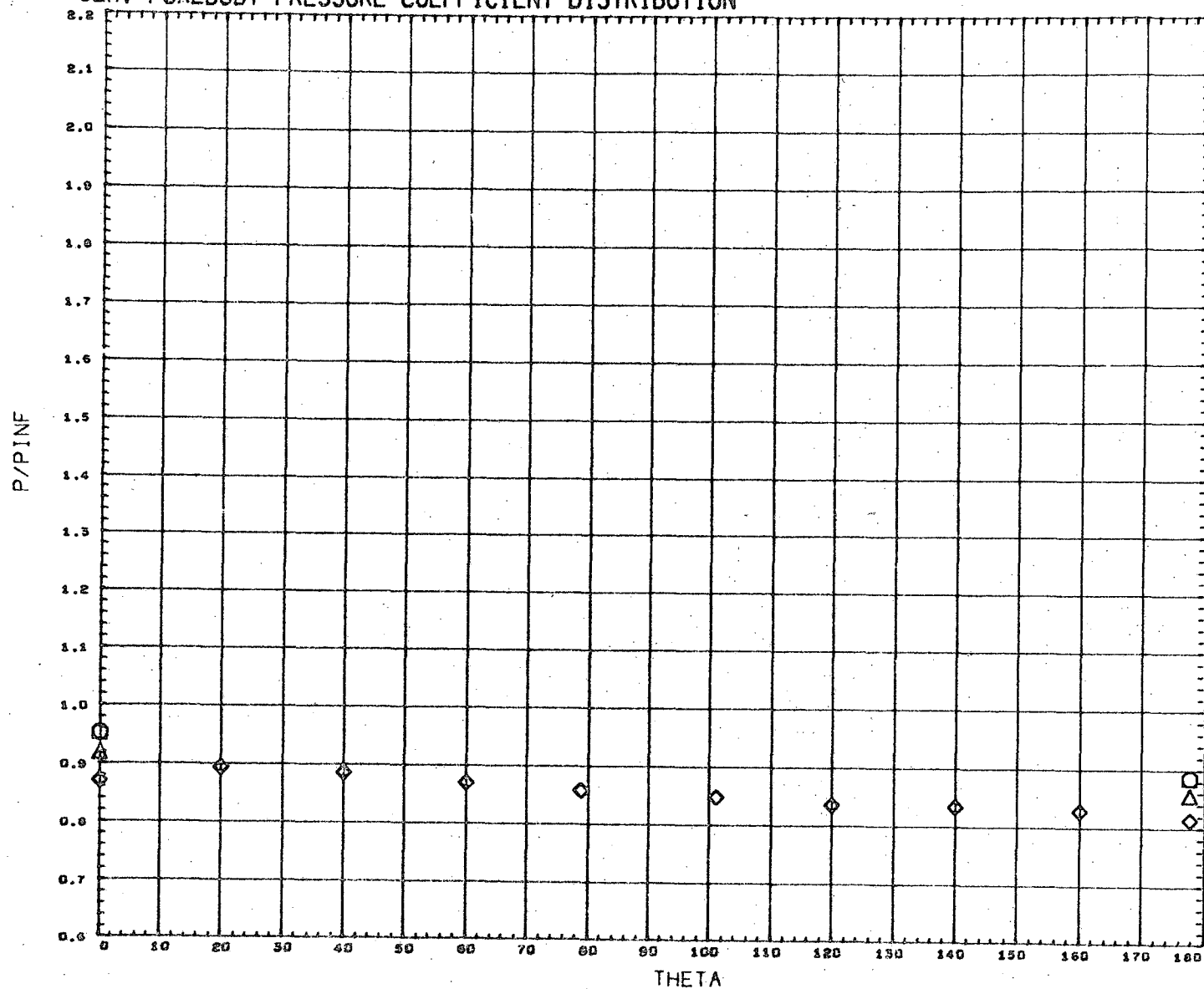
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58. IN.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
◇	0.527	202.063	0.589	LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000	
◇	0.505			BREF	27.000	INCHES					
◇	0.468			XHRF	0.000	DIAMTR					
◇	0.431			YHRF	0.000	DIAMTR					
◇	0.394			ZHRF	0.000	DIAMTR					
◇	0.357	05048556.FECEE	CCSD TN-AP-70-445								

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	PARAMETRIC VALUES
○	0.325	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.022
△	0.262			59.000	27.000	27.000	0.000	0.000	0.000	FC 402.996 WS/WFC 0.000
◇	0.260									

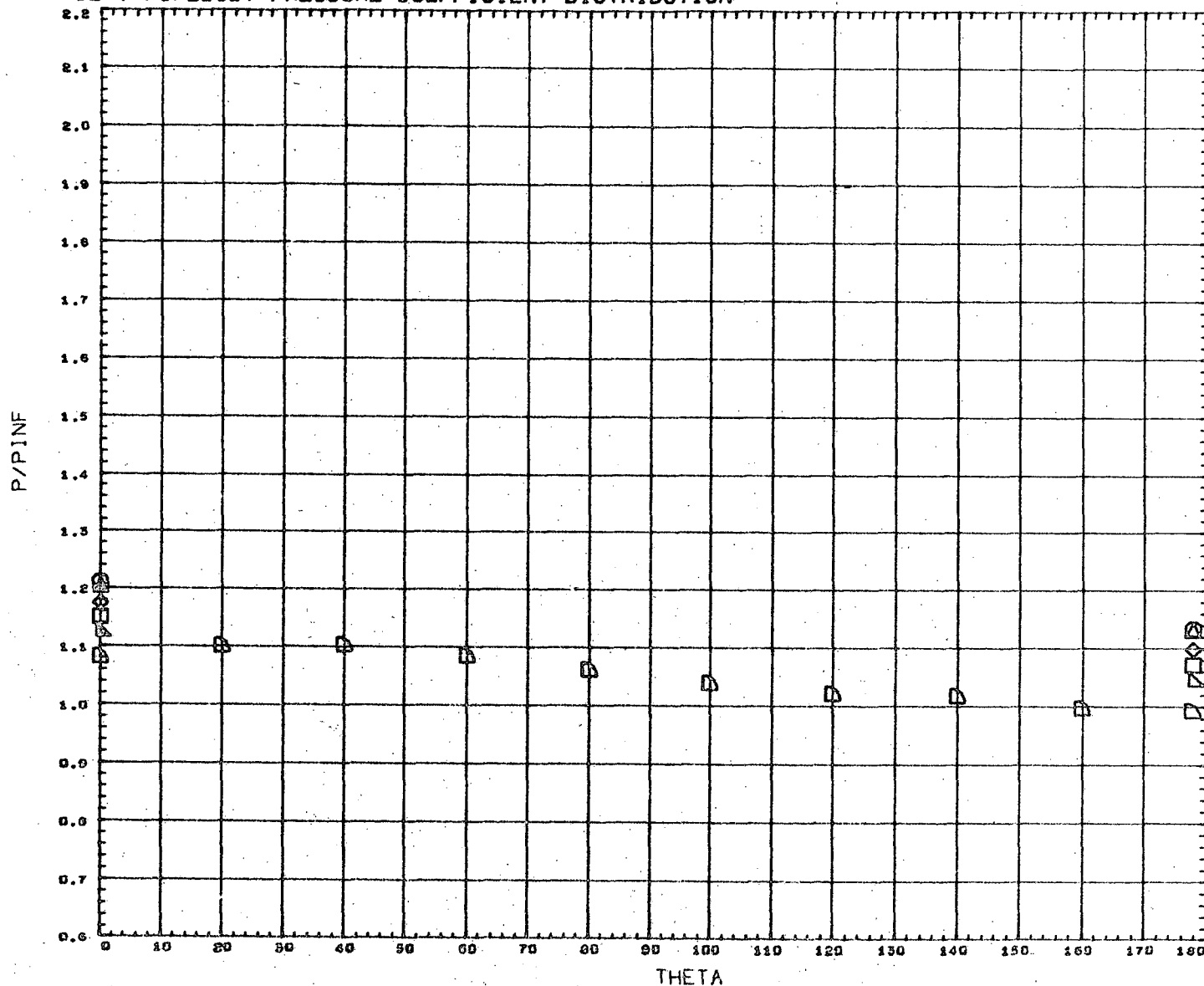
88762286.FIG02 CCSD TR-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

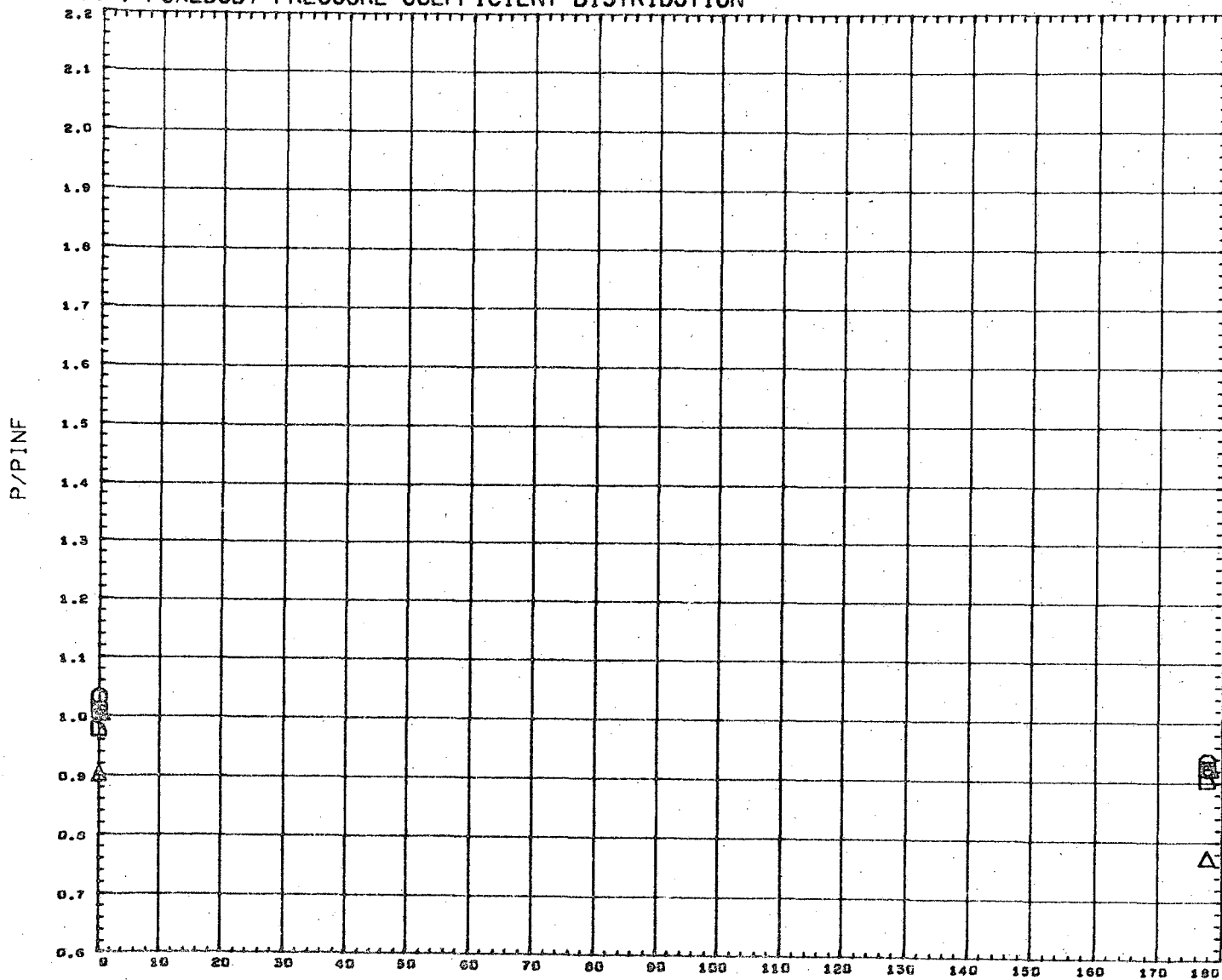


SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.736	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000
◇	0.699			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
□	0.662													
△	0.625													
▽	0.588													
◇	0.551	88780000. FEASE	CCSD TN-AP-7D-443											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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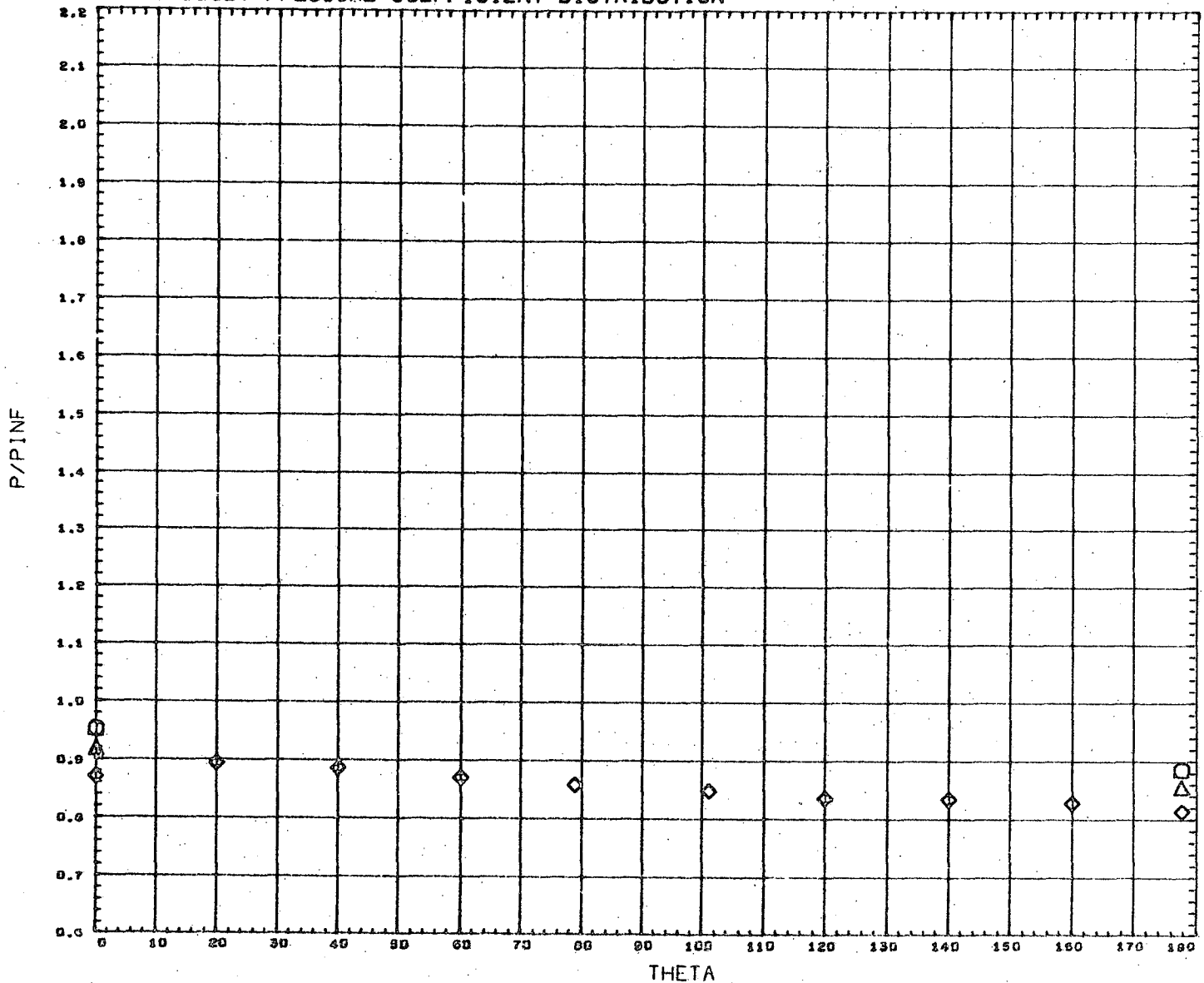
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES
○	0.527	202.003	0.599	LREF	27.000	INCHES	PC	0.000 ALPHA 8.022
◇	0.505			BREF	27.000	INCHES		402.996 WS/WFC 0.000
□	0.450			XHRF	0.000	DIAMTR		
△	0.431			YHRF	0.000	DIAMTR		
D	0.394			ZHRF	0.000	DIAMTR		
	0.357	0.5000000000000000						

CCSD TN-AP-70-445

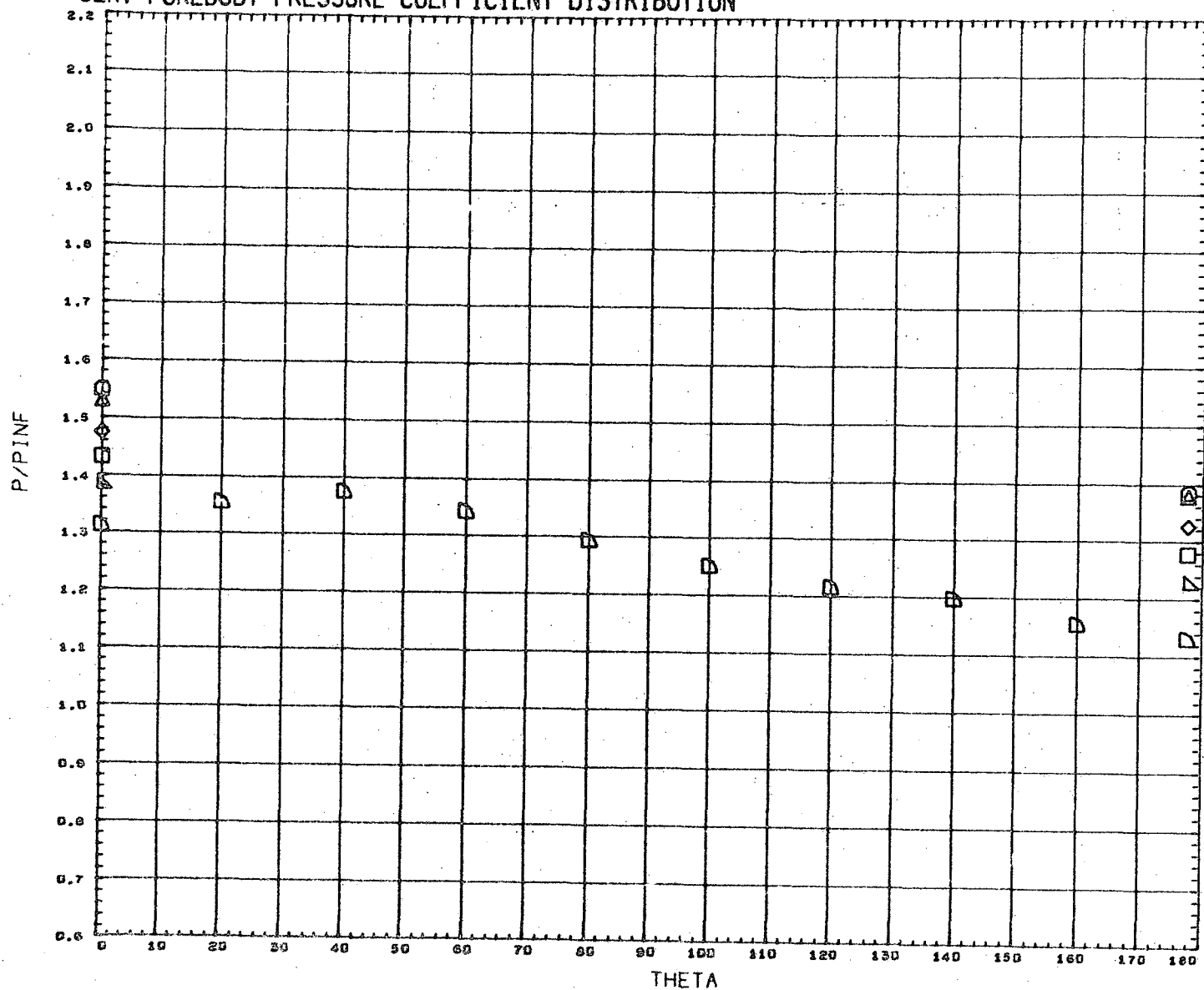
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.320	202.063	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000	0.000
△	0.282			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	0.260													

BS03R0863.FC03E CCSD TN-AP-70-448

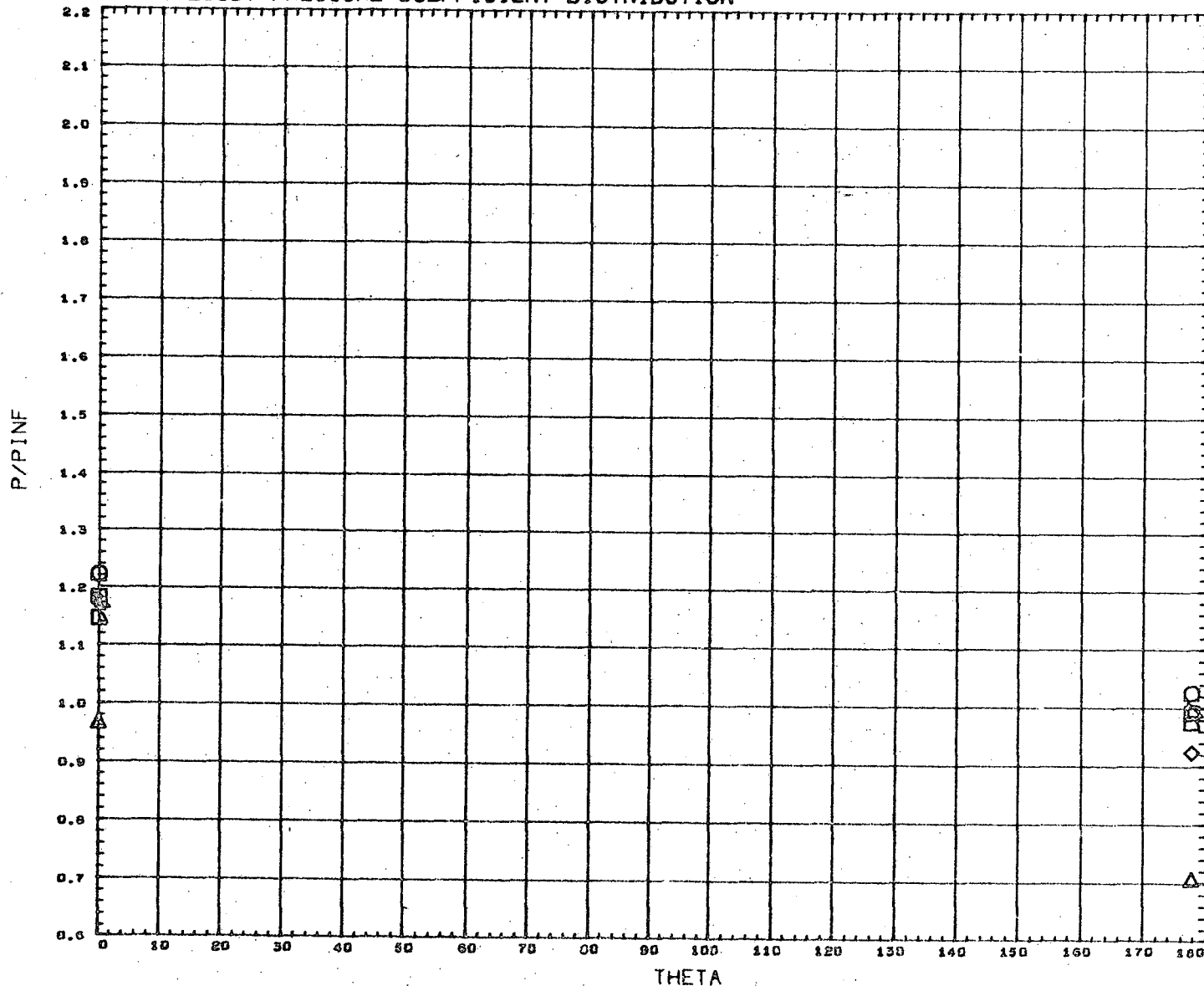
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SR.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.022	0.000
○	0.738	398.497	0.999	572.557	27.090	27.090	0.000	0.000	0.000	58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	402.996	0.000	8.022	0.000		
◇	0.593																					
△	0.663																					
□	0.633																					
▽	0.598																					
◇	0.591	398.497	0.999																			

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



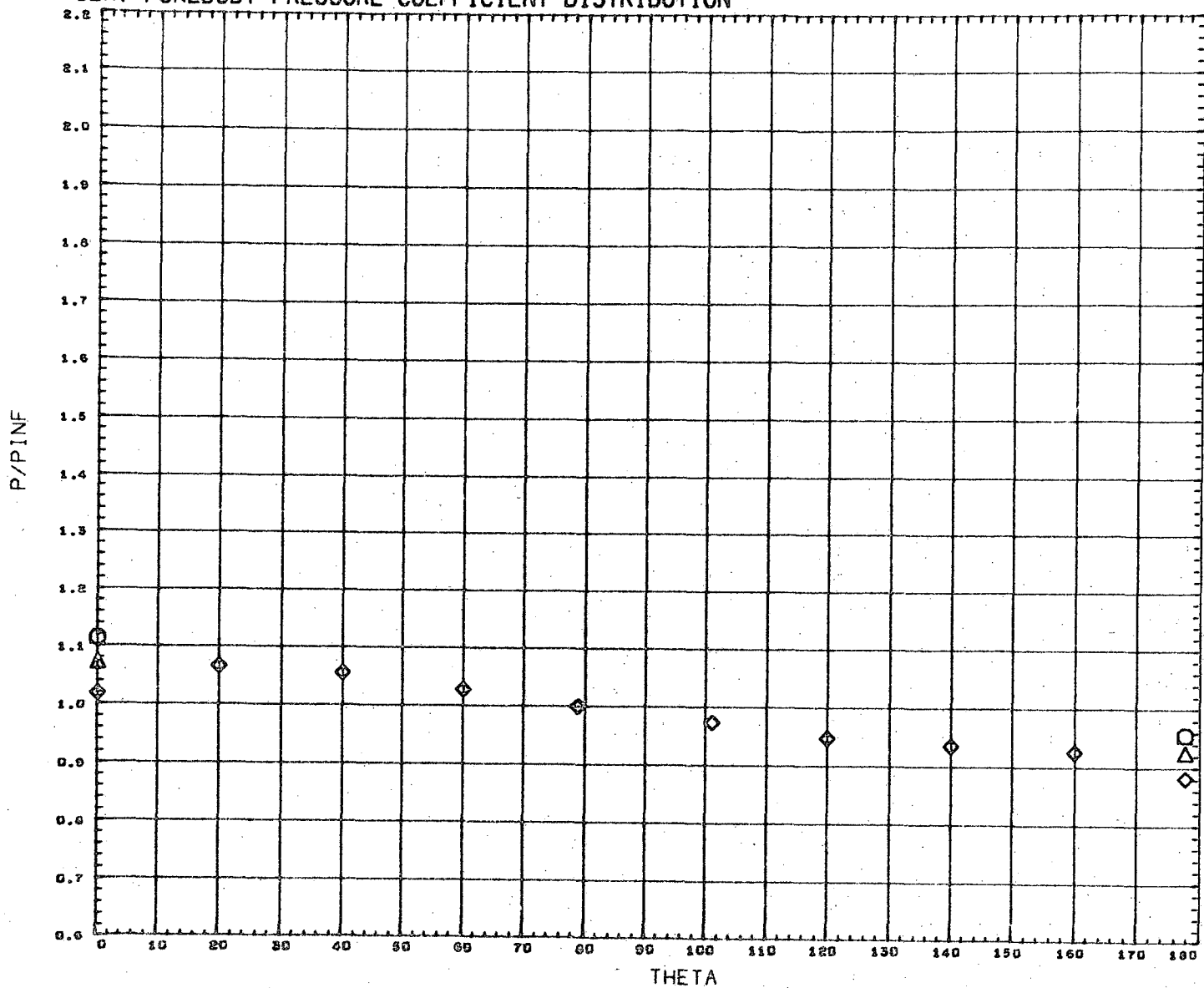
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	0.527	398.467	0.099	572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.996	0.000	8.022	0.000
◇	0.505			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
□	0.468													
△	0.431													
▽	0.394													
◇	0.357	85748303.FEIGE	CCSD TN-AP-78-448											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



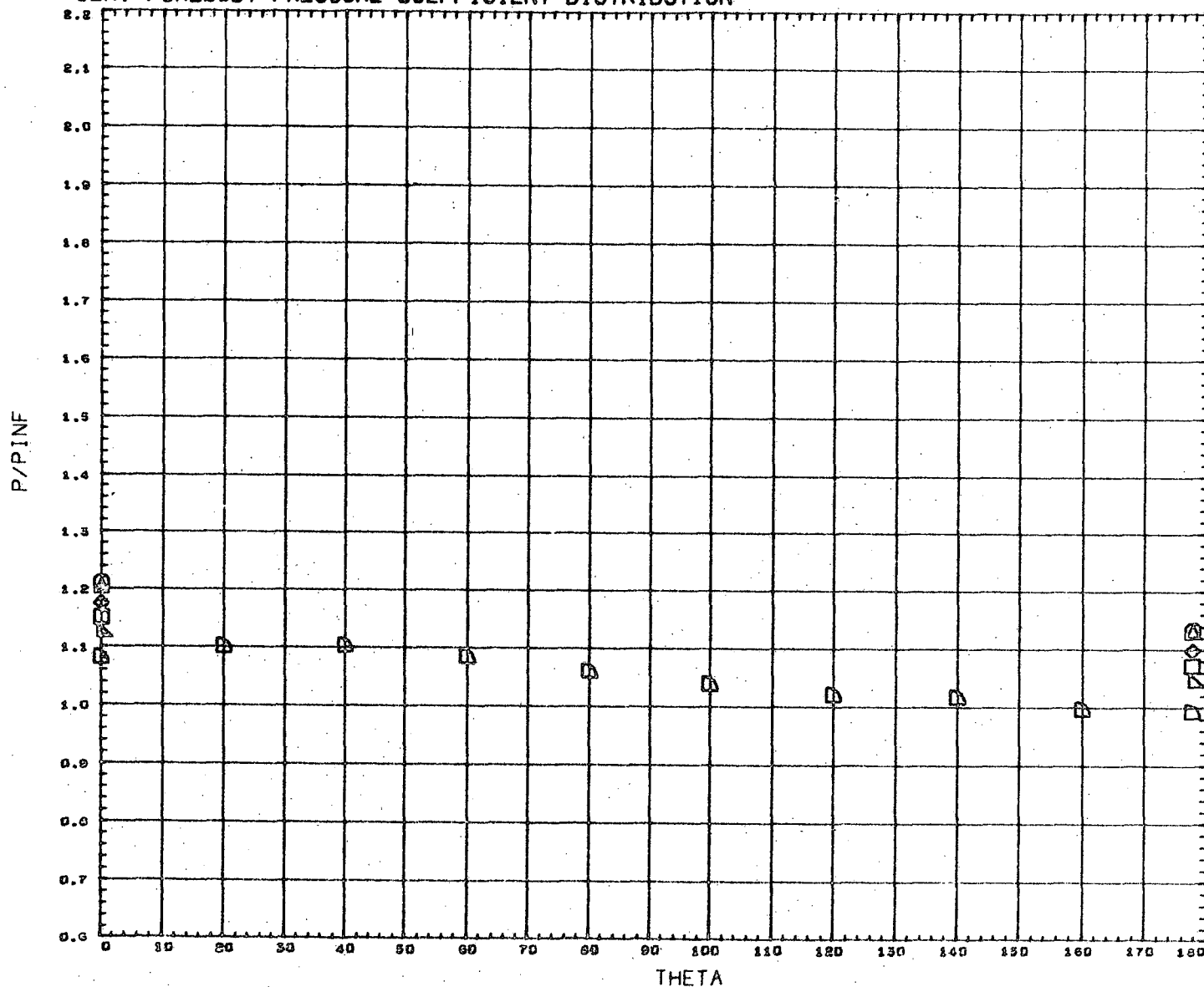
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES		
○	0.320	398.487	0.698	LREF	27.000	INCHES	0.000	ALPHA	0.022	
△	0.282			BREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	0.260			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

00000000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



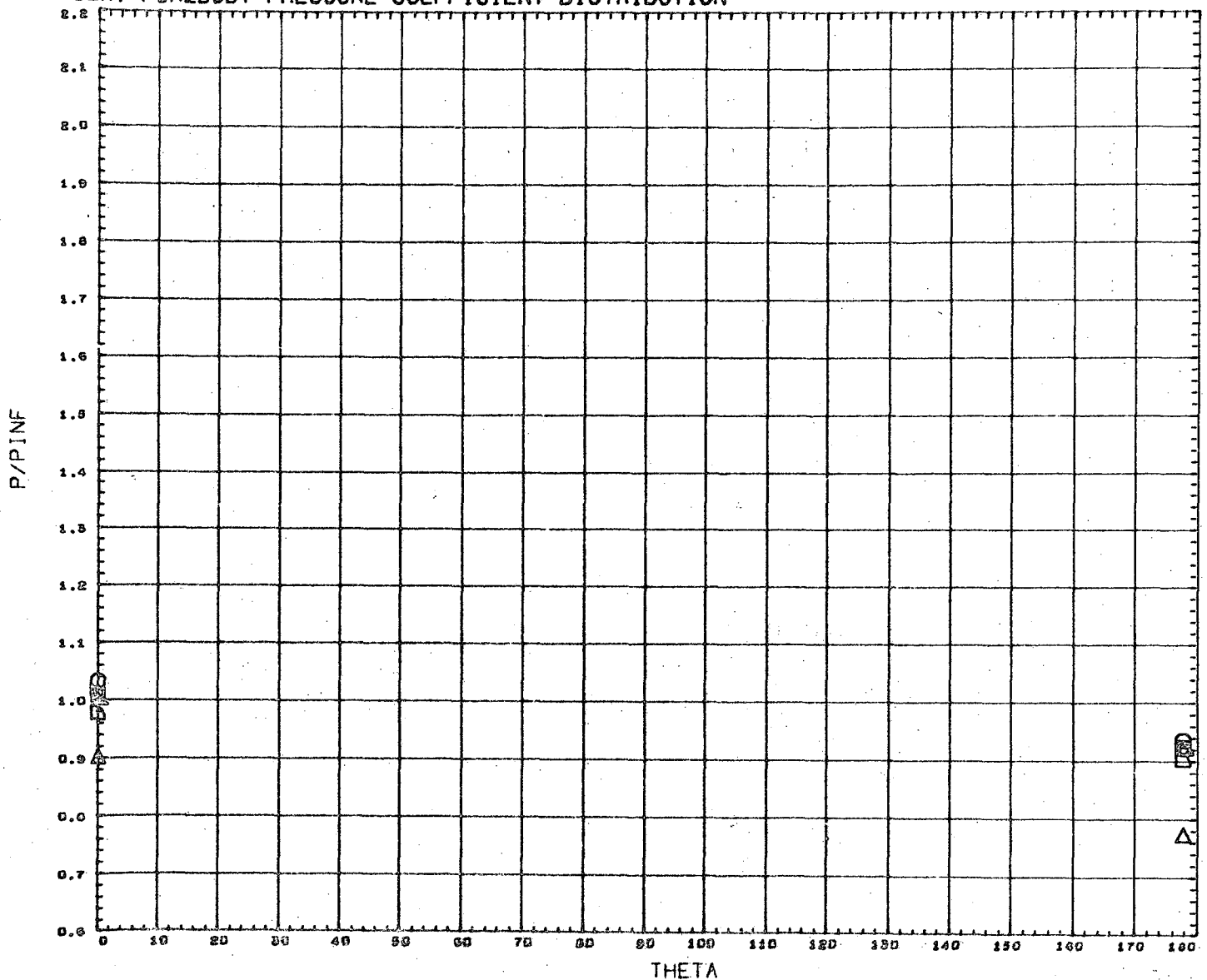
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XNRP	YNRP	ZNRP	PARAMETRIC VALUES
○	0.736	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
△	0.699				INCHES	INCHES				FC 402.996 WS/WFC 0.000
◇	0.662						DIAMTR			
◻	0.625						DIAMTR			
◼	0.588						DIAMTR			
◽	0.551									

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

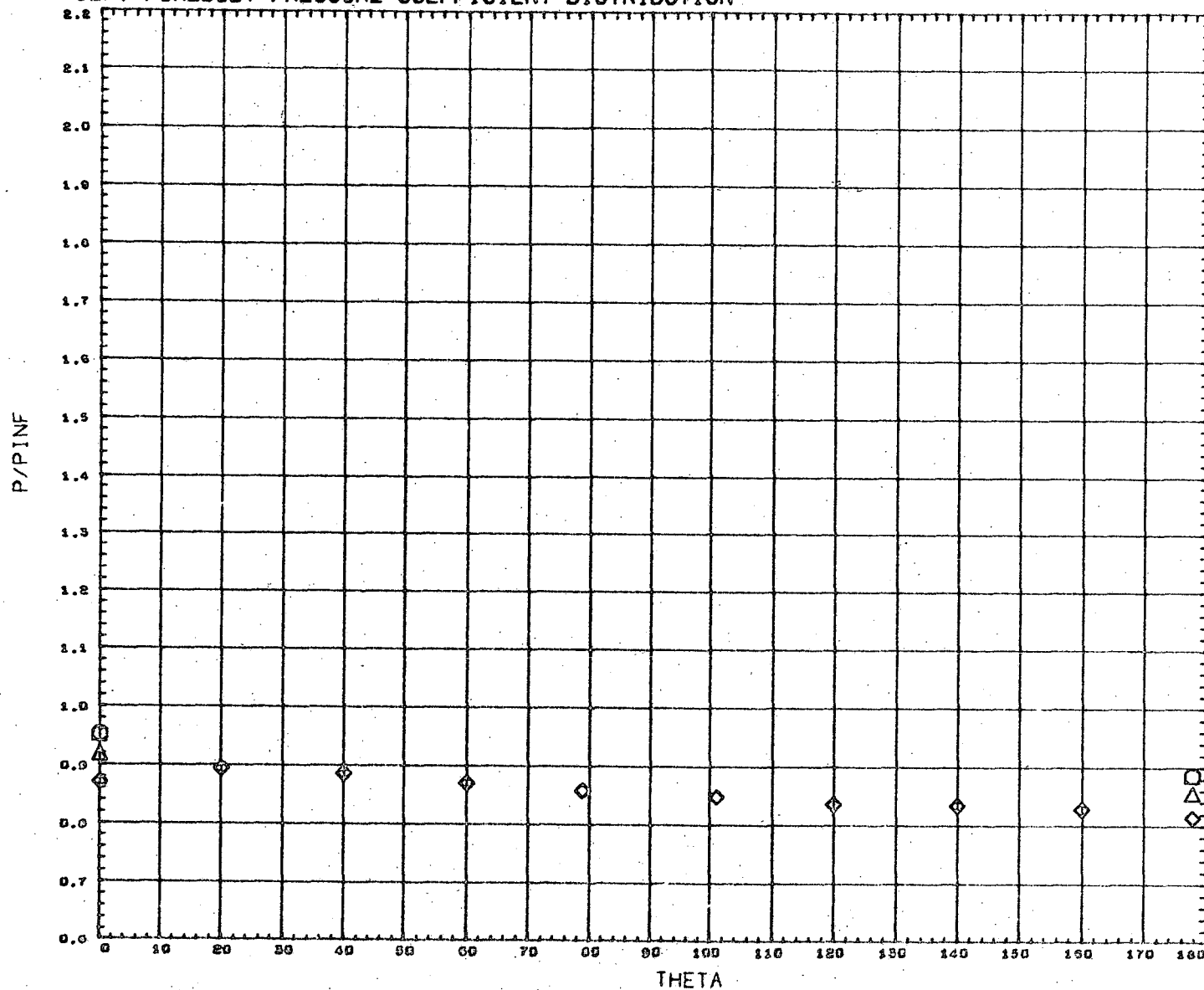


SYMBOL	X/D	FRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
	0.527	202.083	0.599	LREF	27.000	INCHES	PC	0.000	ALPHA 8.022
	0.503			BREF	27.000	INCHES		402.996	WS/WFC 0.000
	0.453			XMRP	0.000	DIAMTR			
	0.432			YMRP	0.000	DIAMTR			
	0.394			ZMRP	0.000	DIAMTR			
	0.357	00730000.FORE	CCSD TM-AP-70-449						

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



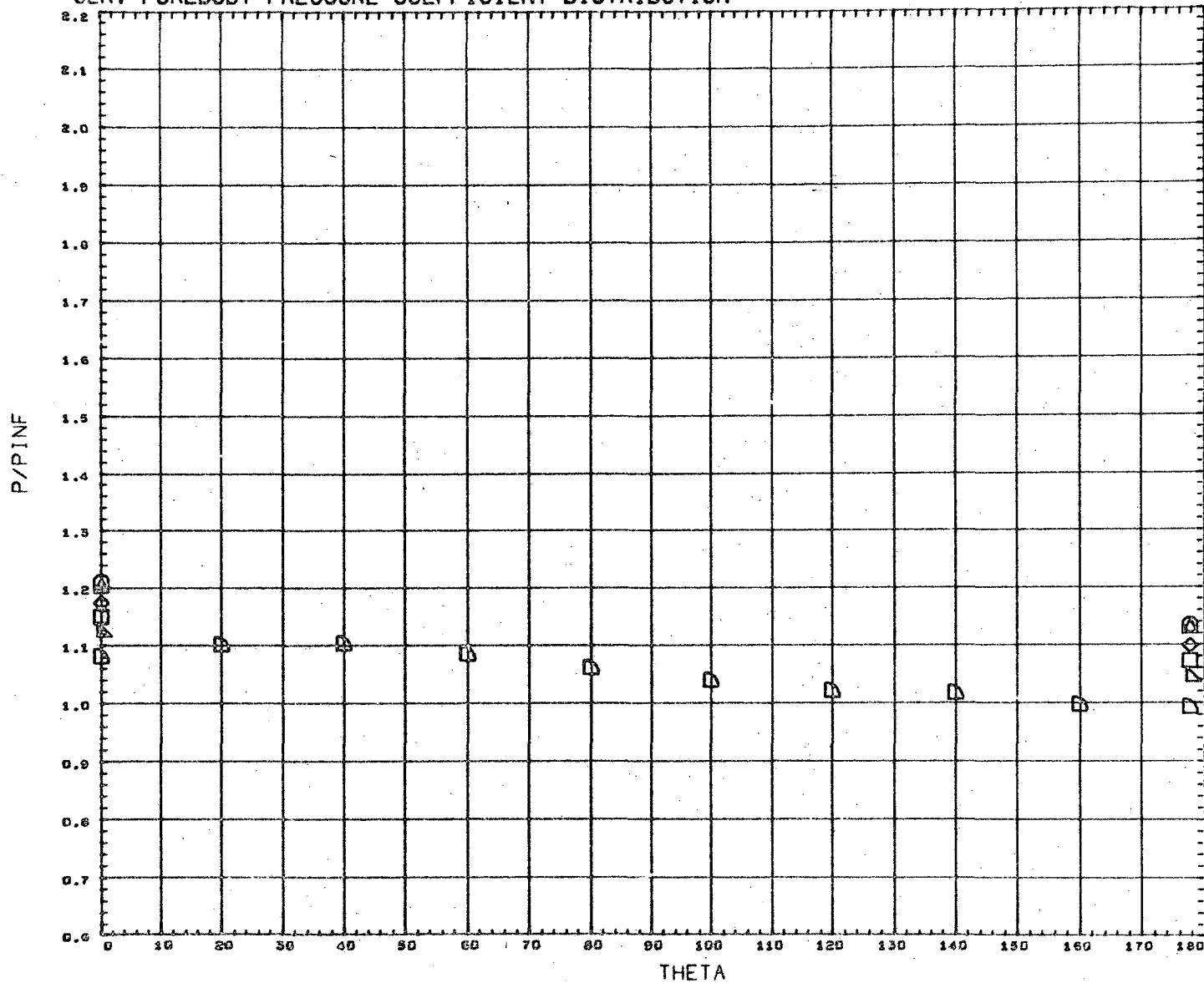
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
○	0.320	202.083	0.599	LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000	
△	0.262			BREF	27.000	INCHES					
◇	0.260			XHRF	0.000	DIAMTR					
				YHRF	0.000	DIAMTR					
				ZHRF	0.000	DIAMTR					

DATA REDUCED FROM CCSD TN-AP-70-465

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



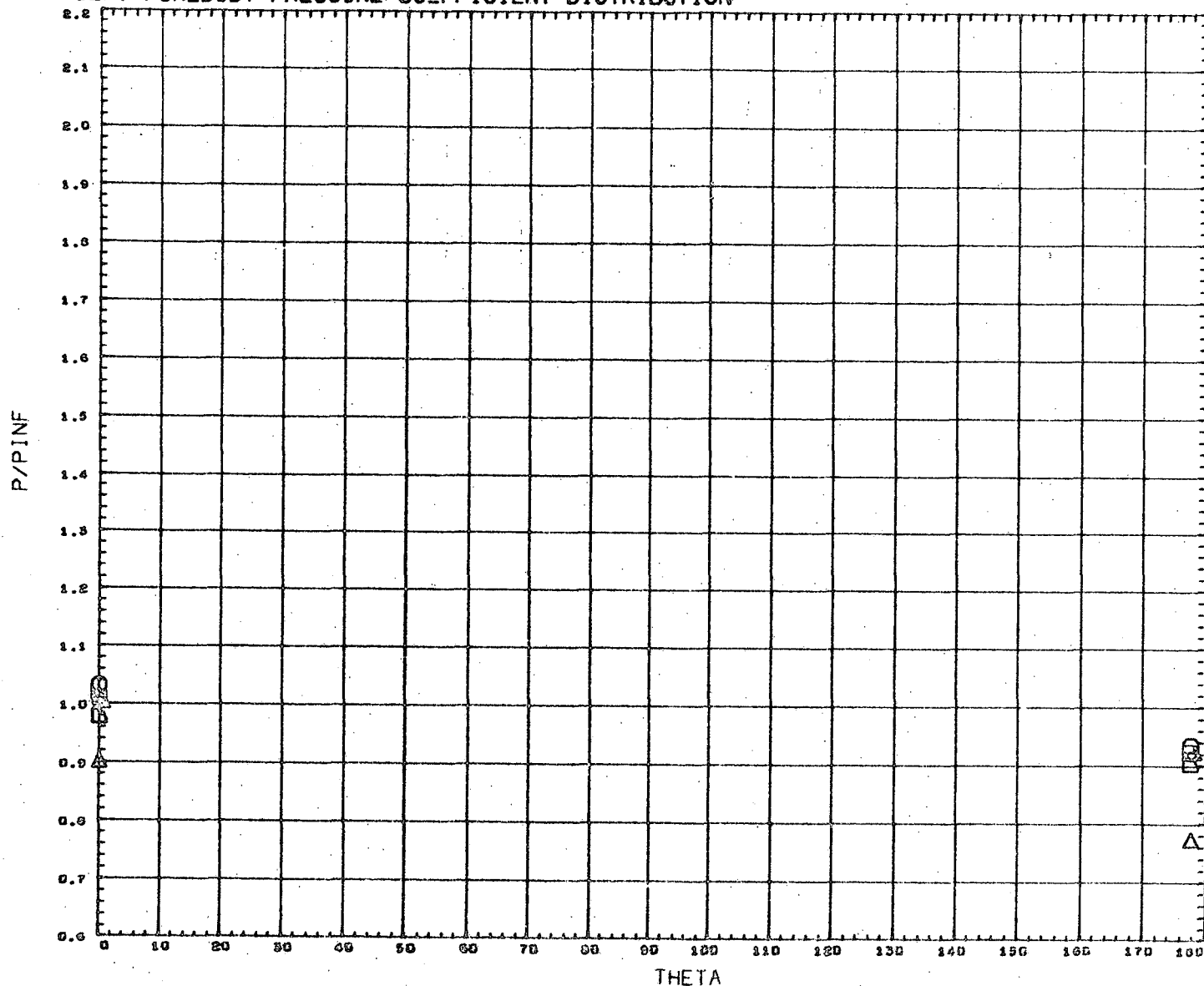
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	8.022
◇	0.735	202.083	0.599	LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	0.699			BREF	27.000	INCHES				
◇	0.562			XMRP	0.000	DIAMTR				
◇	0.625			YMRP	0.000	DIAMTR				
◇	0.508			ZMRP	0.000	DIAMTR				
◇	0.591	227.808	0.599							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



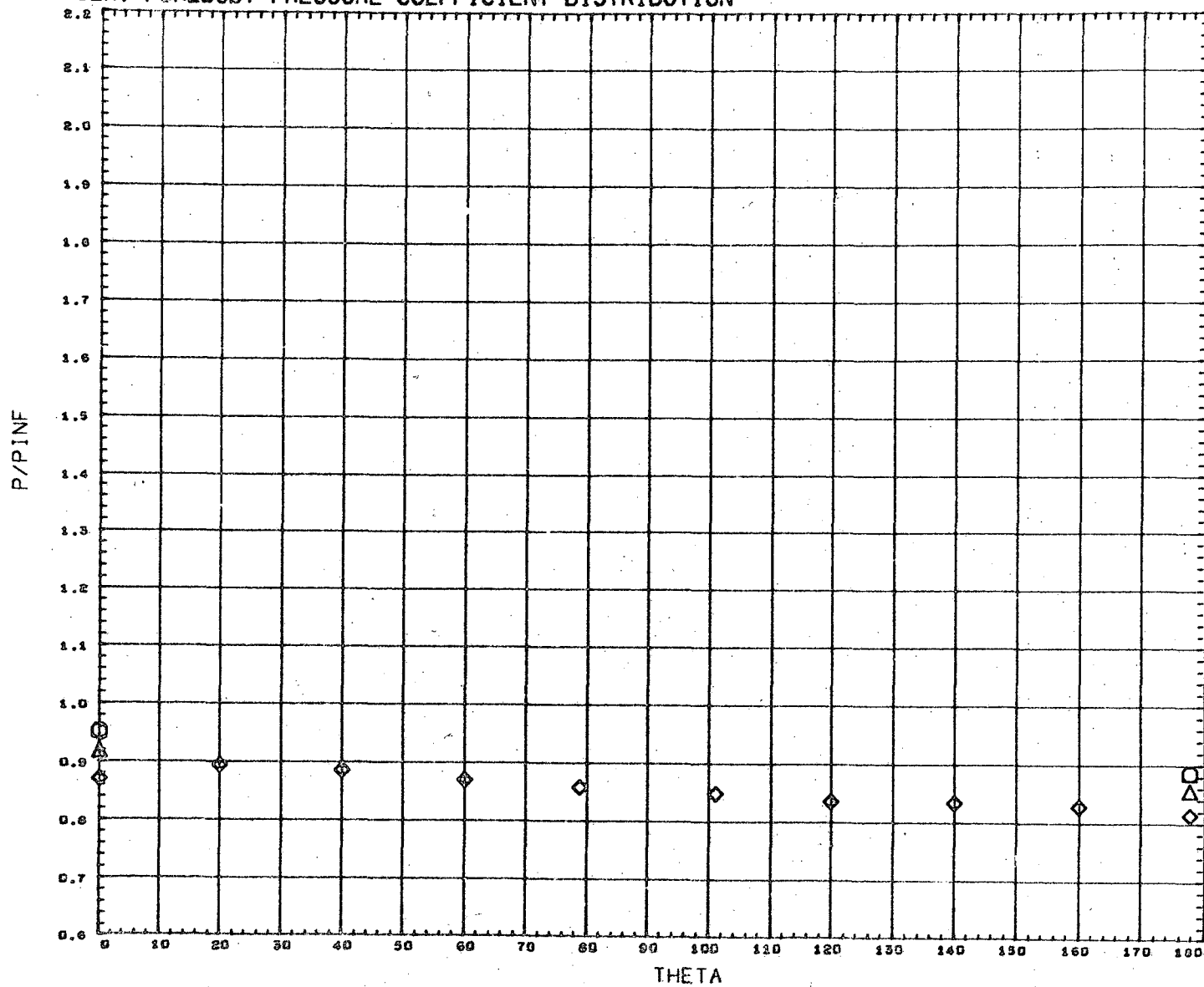
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	202.083	0.599	572.557	58.1N.	E/DOOR	0.000	ALPHA	8.022	
△	0.505			27.000	INCHES	PC	402.996	WS/WPC	0.000	
◇	0.468			27.000	INCHES					
□	0.431			0.000	DIAMTR					
▢	0.394			0.000	DIAMTR					
◻	0.357			0.000	DIAMTR					

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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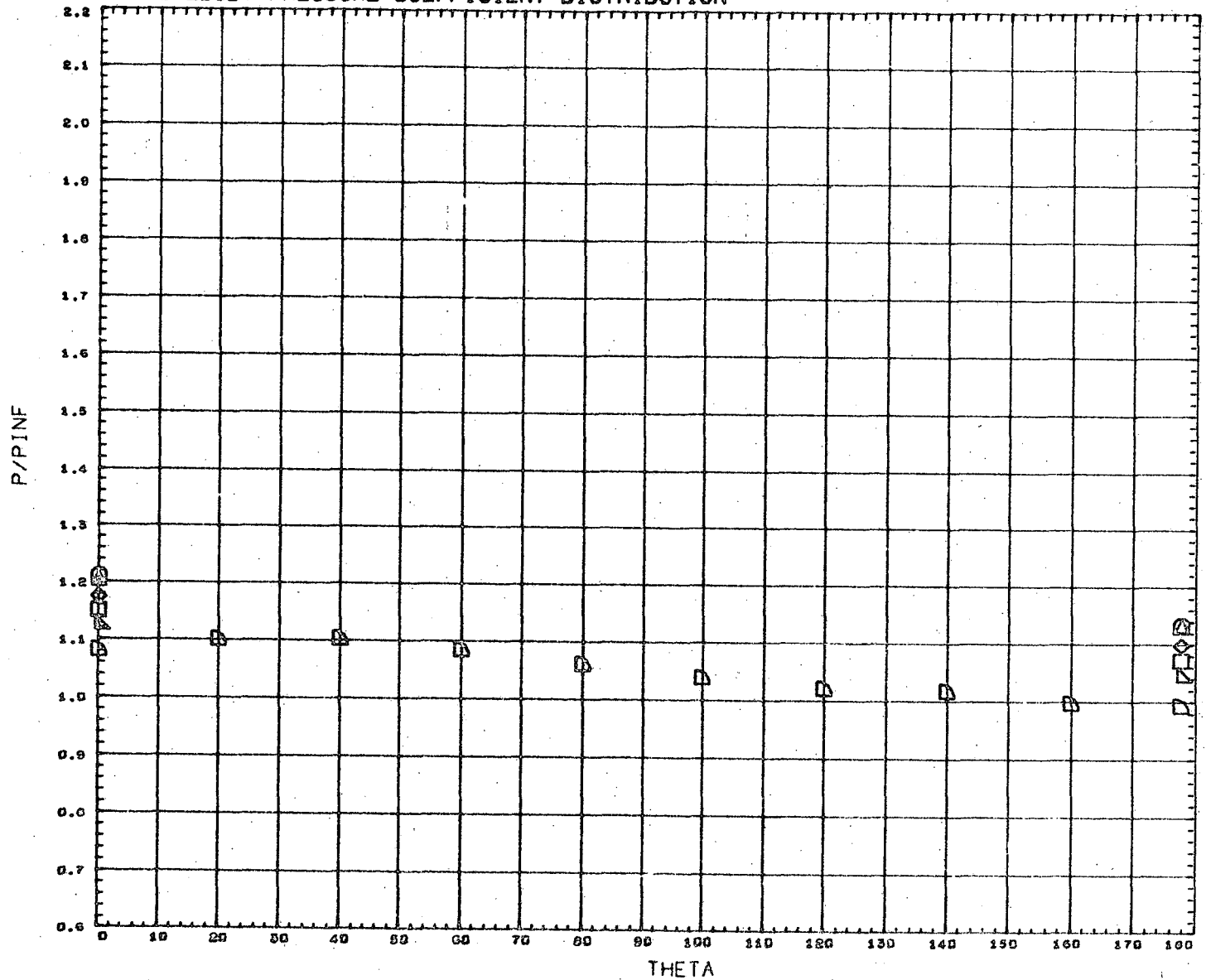
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58.1N.	E/DOOR	PARAMETRIC VALUES	
○	0.320	202.083	0.599	LREF	27.000	INCHES	FC	0.000	ALPHA 8.022
△	0.290			BREF	27.000	INCHES		402.996	WS/WPC 0.000
◇	0.260			XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

6578R2008.FCCOE CC89 TN-AP-70-449

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



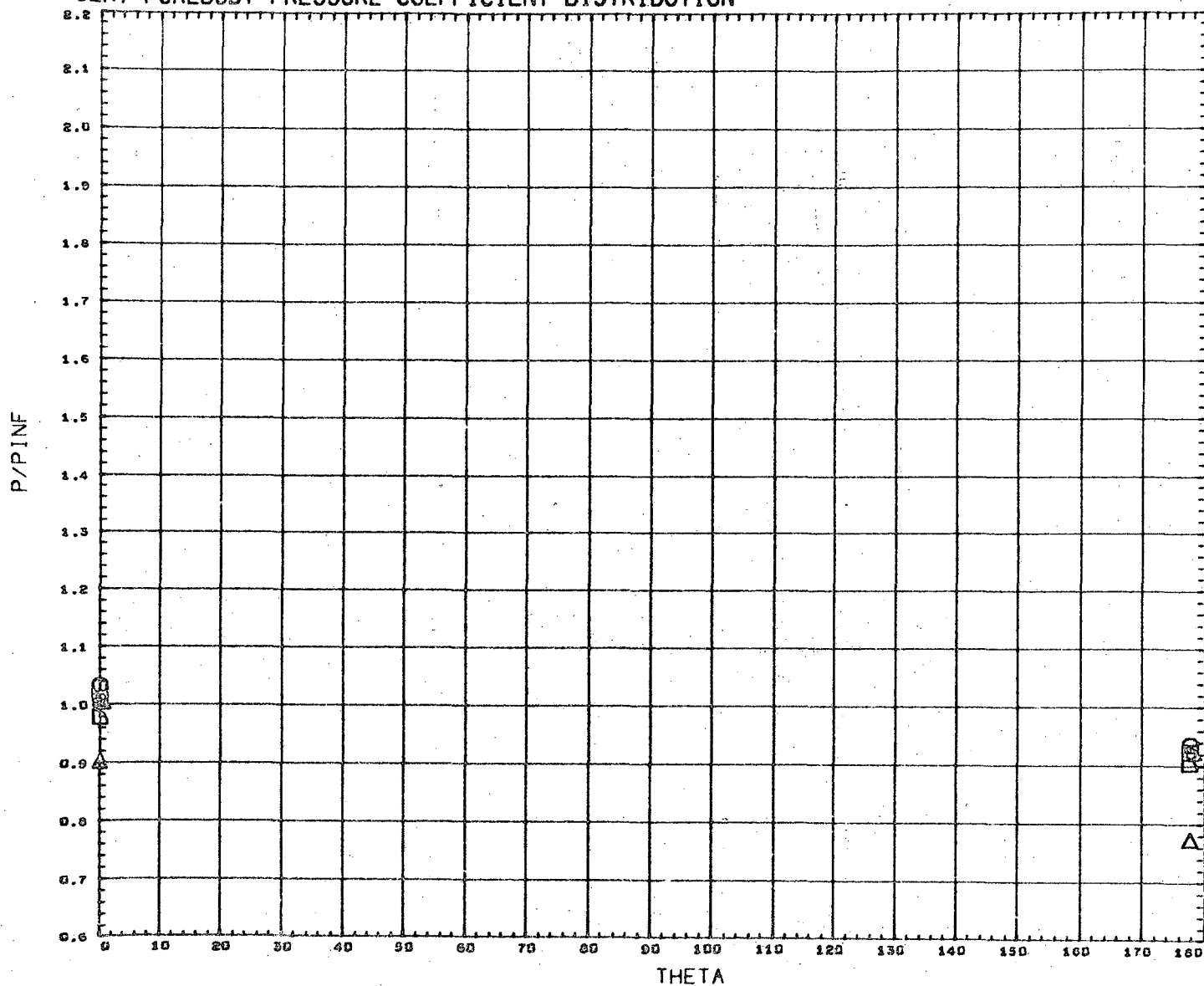
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	8.022	0.000
○	0.736	202.693	0.599	572.557	27.000	27.000	0.000	0.000	0.000	50.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	402.996	0.000	0.000	0.000	0.000
△	0.699																					
◇	0.662																					
□	0.623																					
▤	0.586																					
▥	0.551																					

DATA FROM: CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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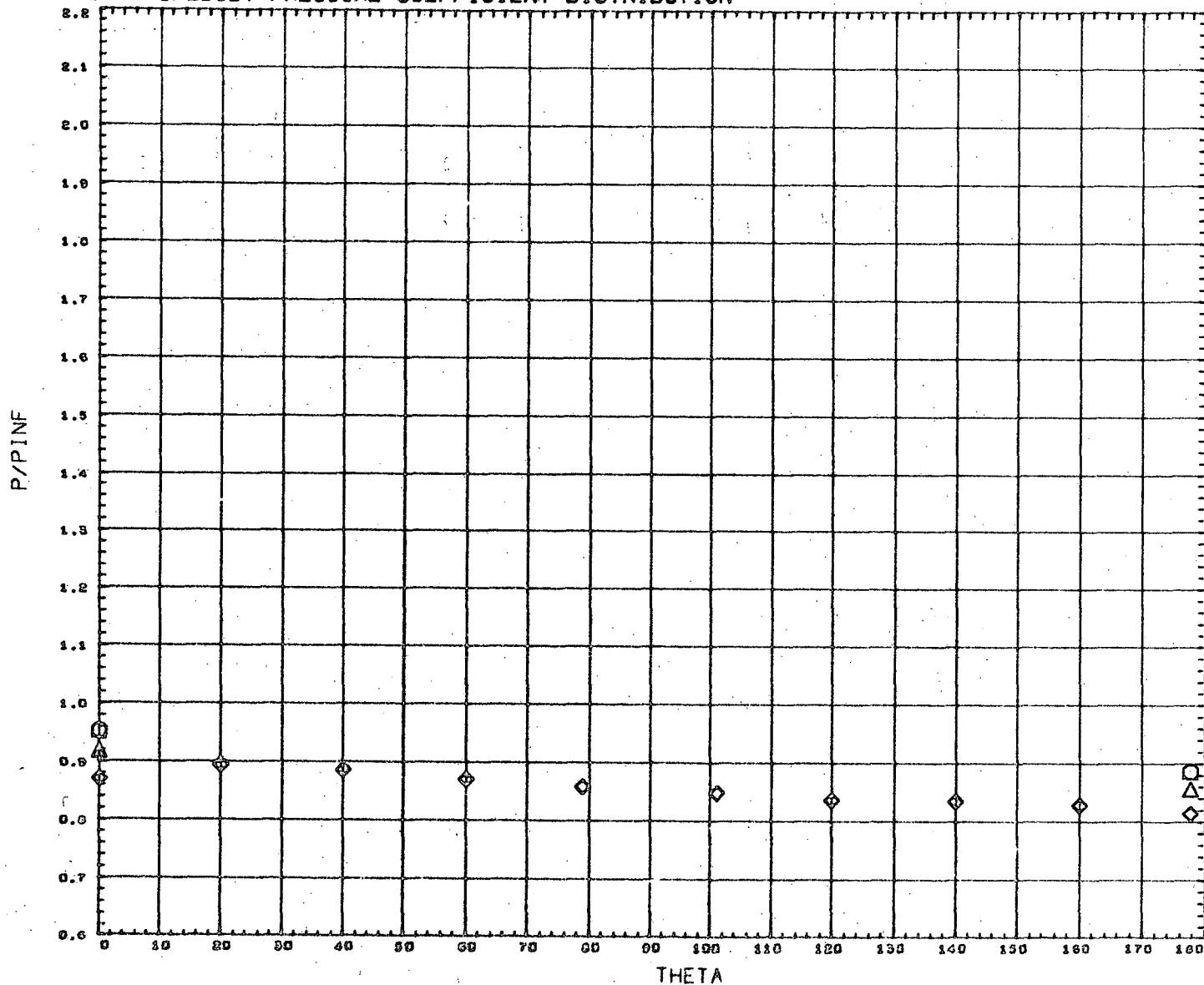
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES
○	0.327	202.033	0.599	572.557	59. IN.	27.000	INCHES	0.000	DIAMTR	0.000	ALPHA	8.022
◇	0.505			27.000	INCHES	27.000	INCHES	0.000	DIAMTR	402.996	WS/WFC	0.000
△	0.468			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR			
□	0.431			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR			
▤	0.394			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR			
▥	0.357			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR			

REPRODUCED FROM CCSD TN-AP-70-449

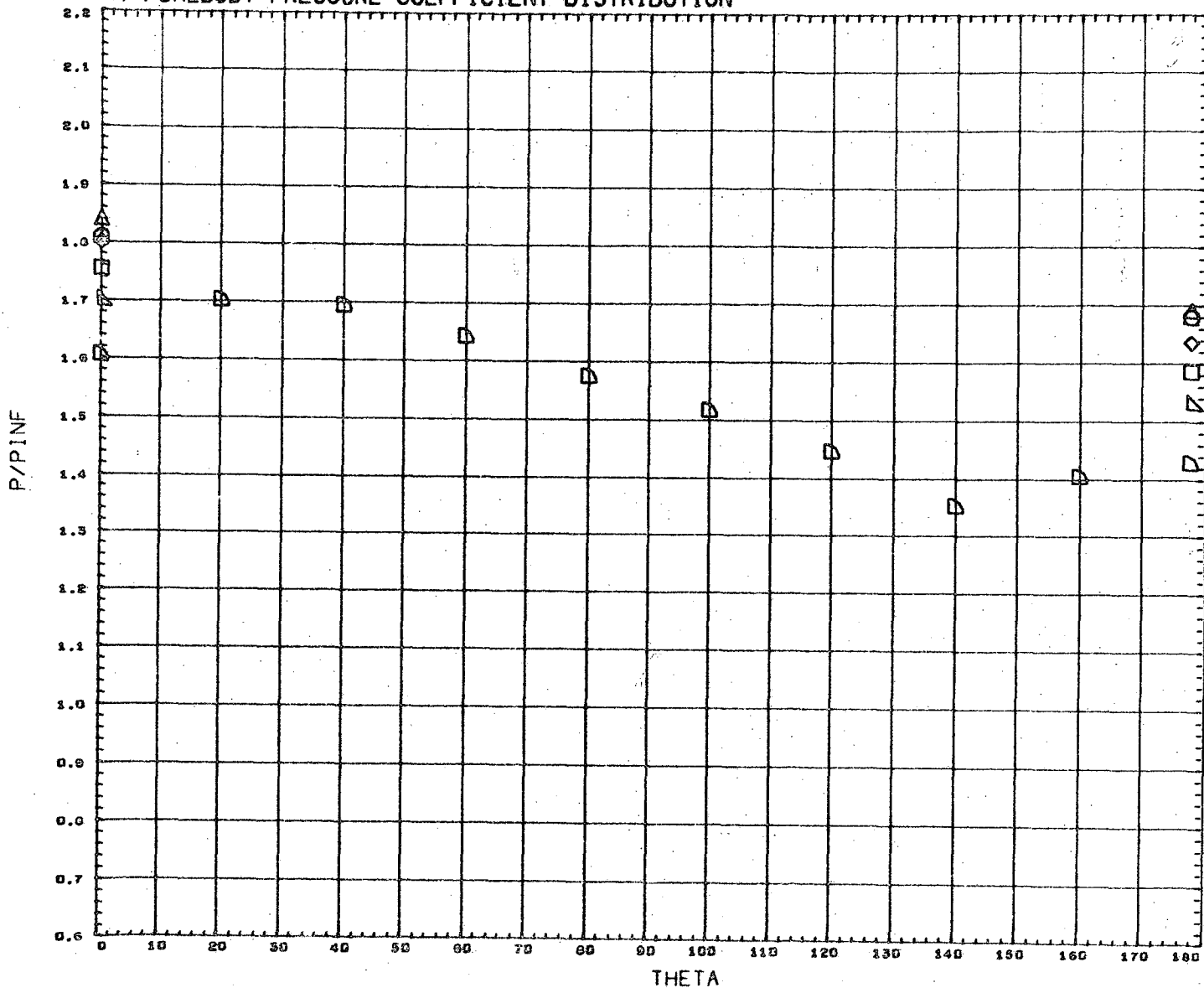
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	59.1N.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
○	0.320	202.003	0.500	LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000	
△	0.282			BREF	27.000	INCHES					
◇	0.260			XMRP	0.000	DIANTR					
				YMRP	0.000	DIANTR					
				ZMRP	0.000	DIANTR					

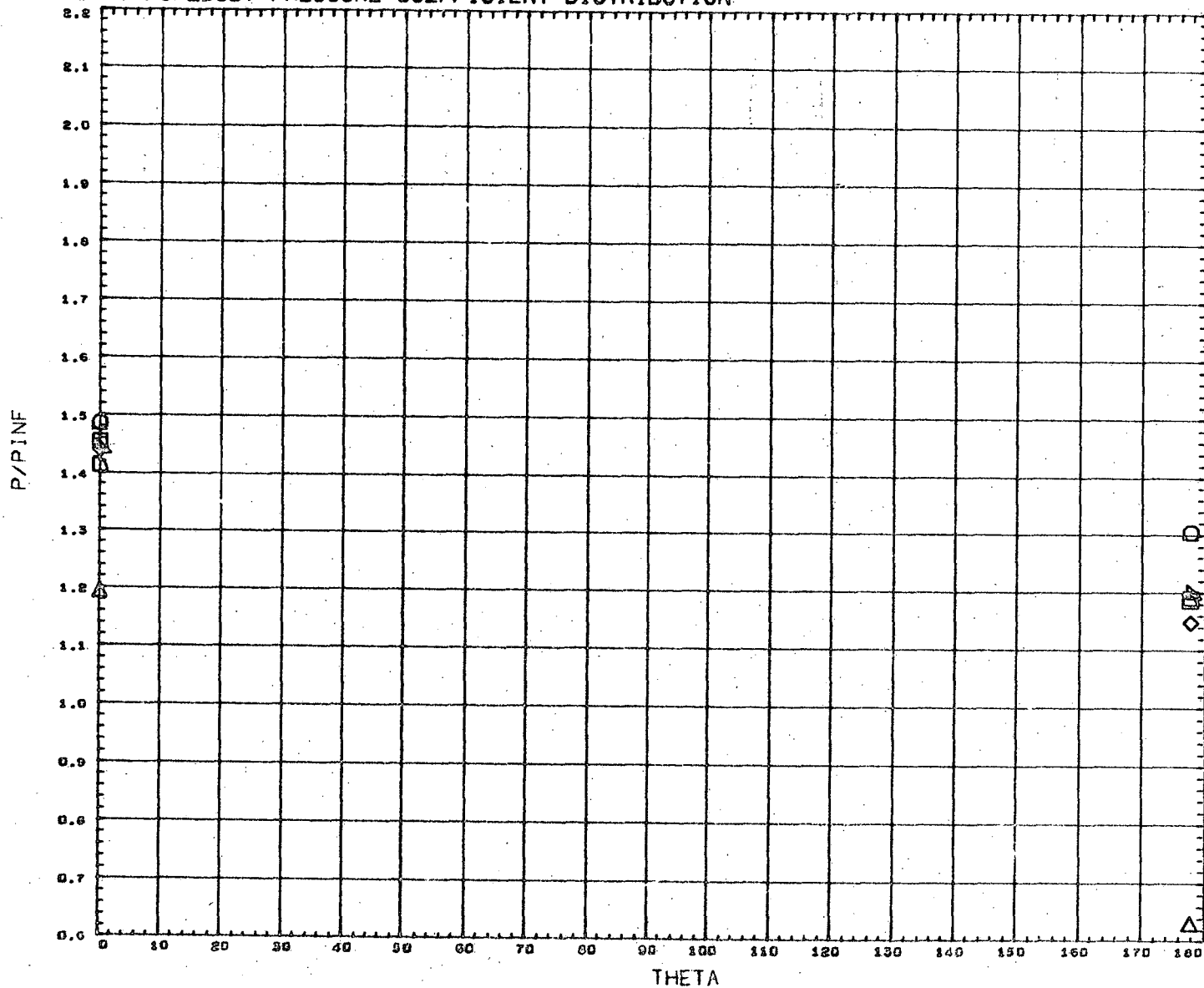
00000000.FE13E CCGD TM-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	8.022
○	0.736	402.407	1.100	LREF	27.000	INCHES	0.000	FC	402.996	WS/WPC
□	0.589			BREF	27.000	INCHES				
◇	0.650			XHRF	0.000	DIAMTR				
△	0.680			YHRF	0.000	DIAMTR				
▽	0.524			ZHRF	0.000	DIAMTR				
◇	0.551	0.000000, FCLSE	CCSD TN-AP-70-448							

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



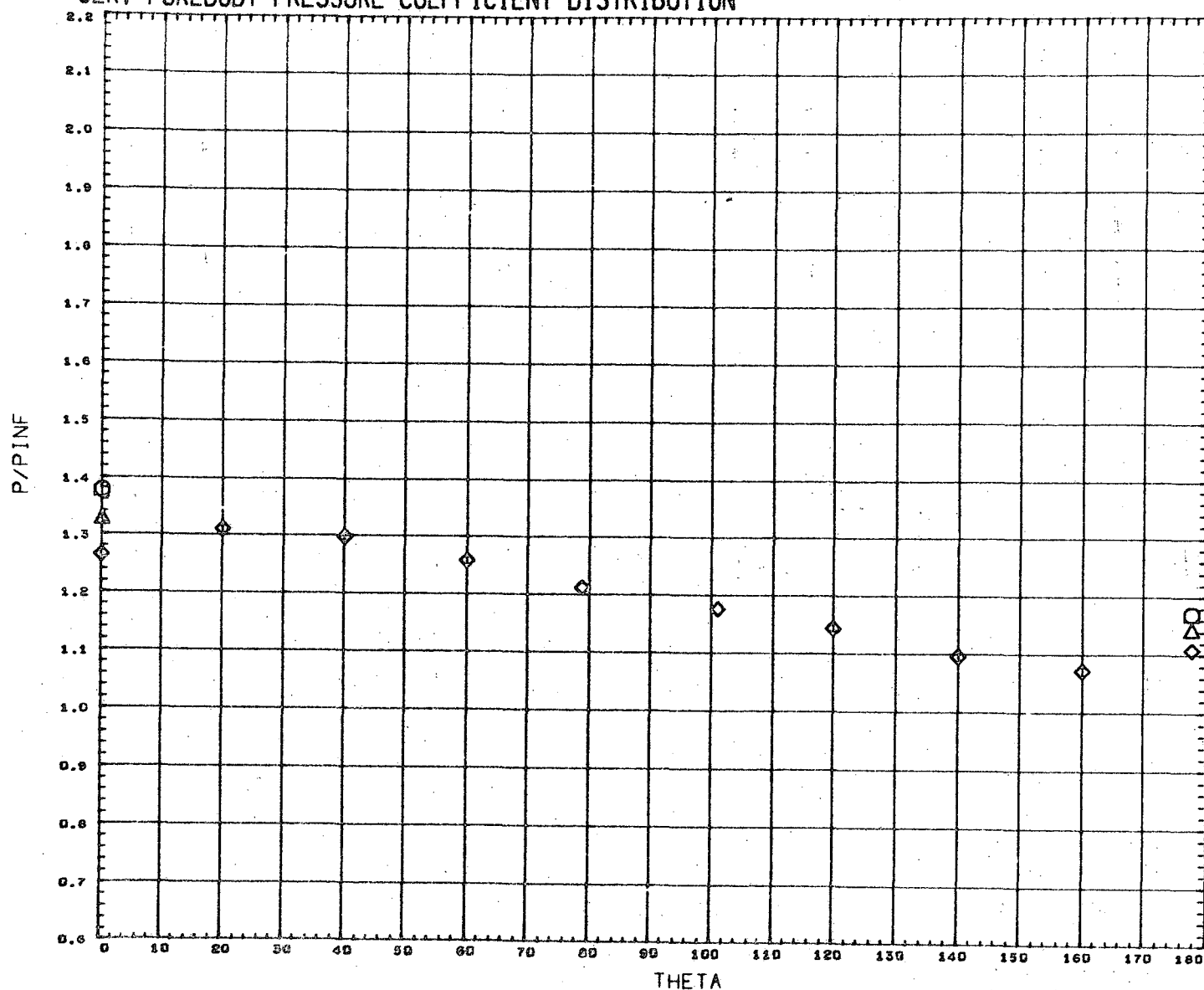
SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.527	402.407	1.100	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
△	0.505			27.000	INCHES	INCHES	0.000	0.000	0.000	PC 402.996 WS/WPC 0.000
□	0.468									
◇	0.431									
×	0.394									
△	0.357	0.500000.F662E	CCSD TM-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



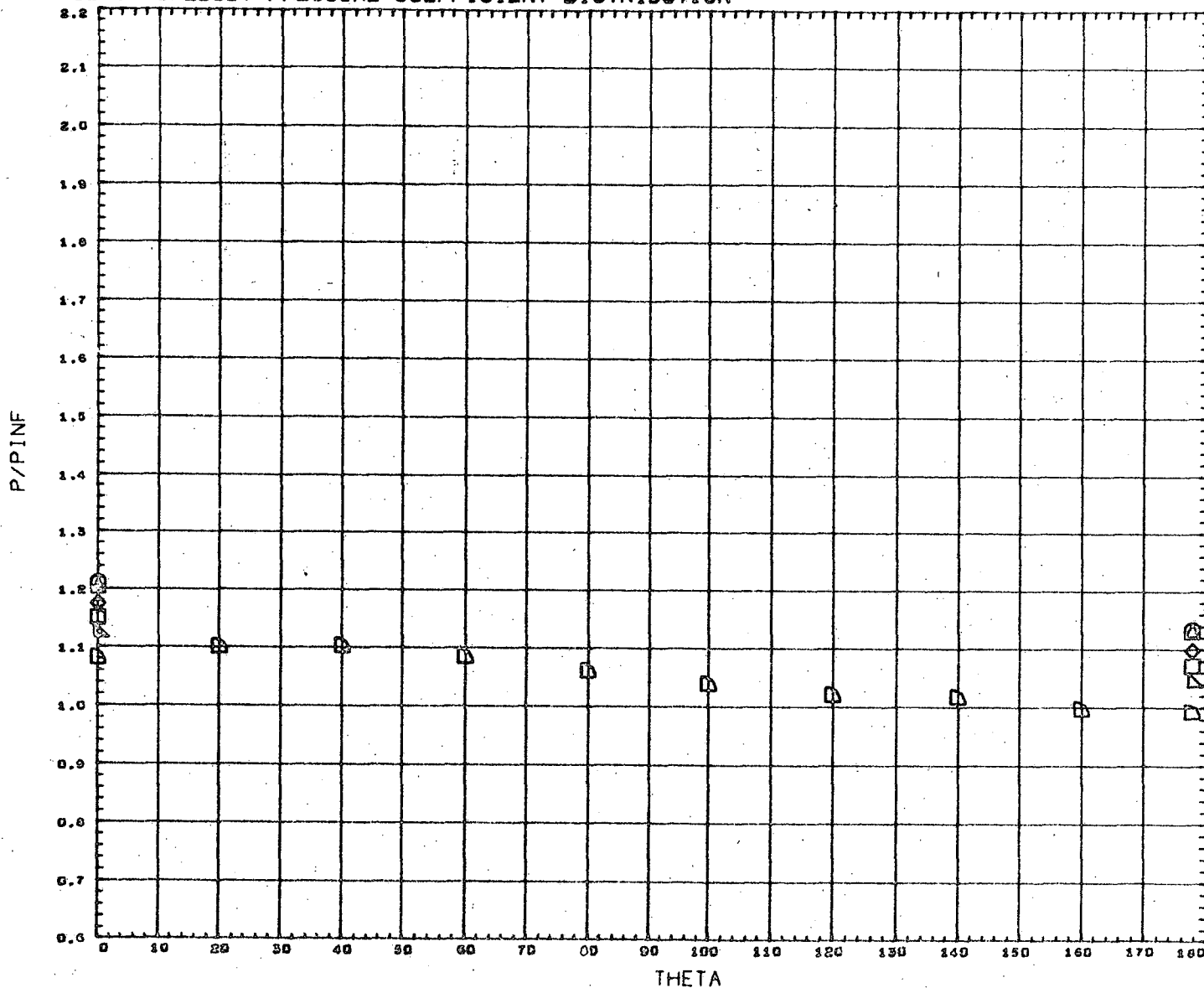
SYMBOL	X/D	FRATIO	MACH	SREF	572.557	58.1N.	E/DOOR	PARAMETRIC VALUES
○	0.520	402.407	1.100	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	0.202			BREF	27.000	INCHES	FC 402.996	WS/WFC 0.000
◇	0.250			XMRP	0.000	DIAMTR		
				YMRP	0.000	DIAMTR		
				ZMRP	0.000	DIAMTR		

DATA 000000.F000E CC89 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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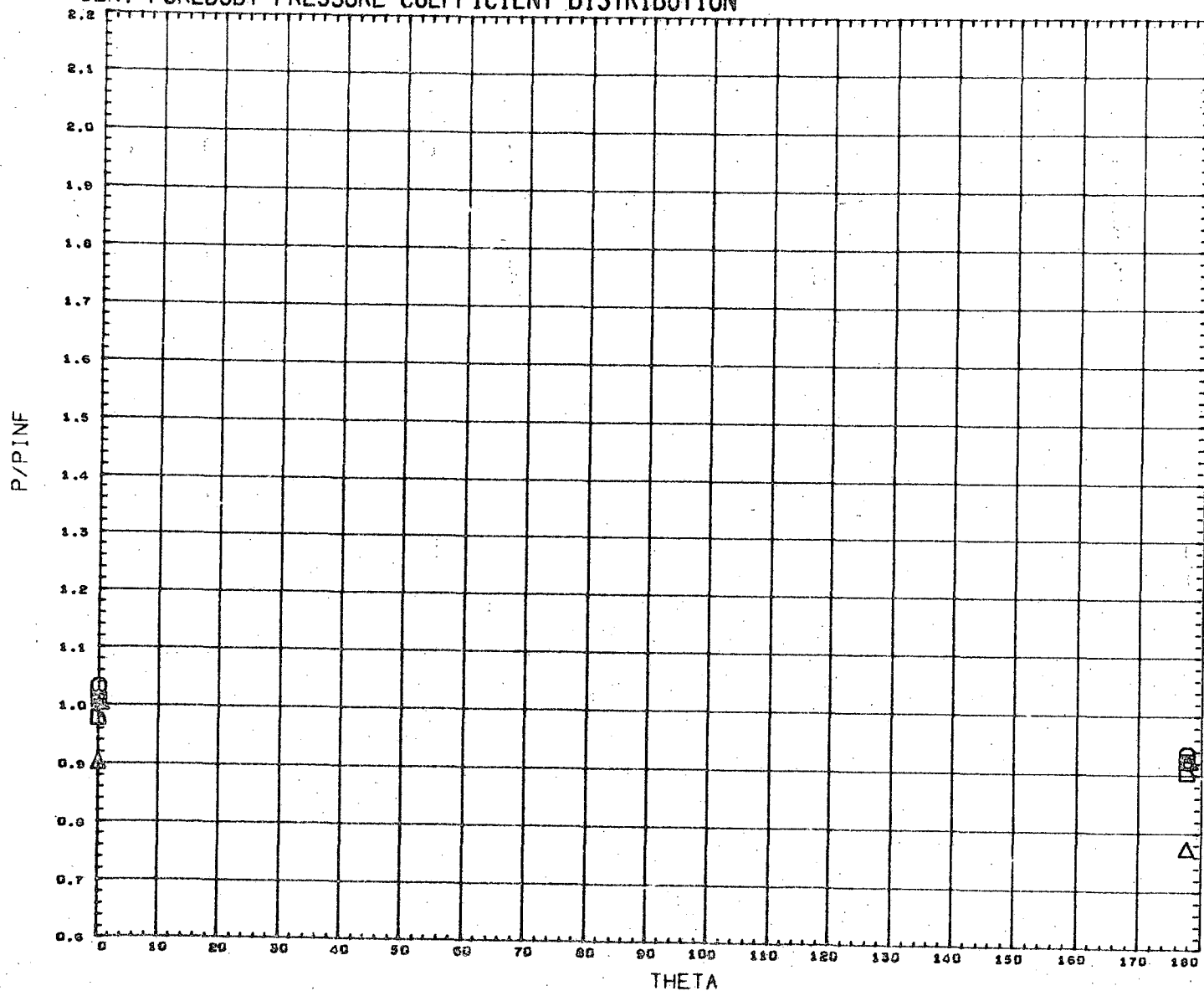
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.736	202.063	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	ALPHA 8.022
△	0.699			572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	WS/WFC 0.000
◇	0.662			572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	
□	0.625			572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	
▽	0.588			572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	
◇	0.551			572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.995	

DATA FROM FORE CCSD TM-AP-70-449

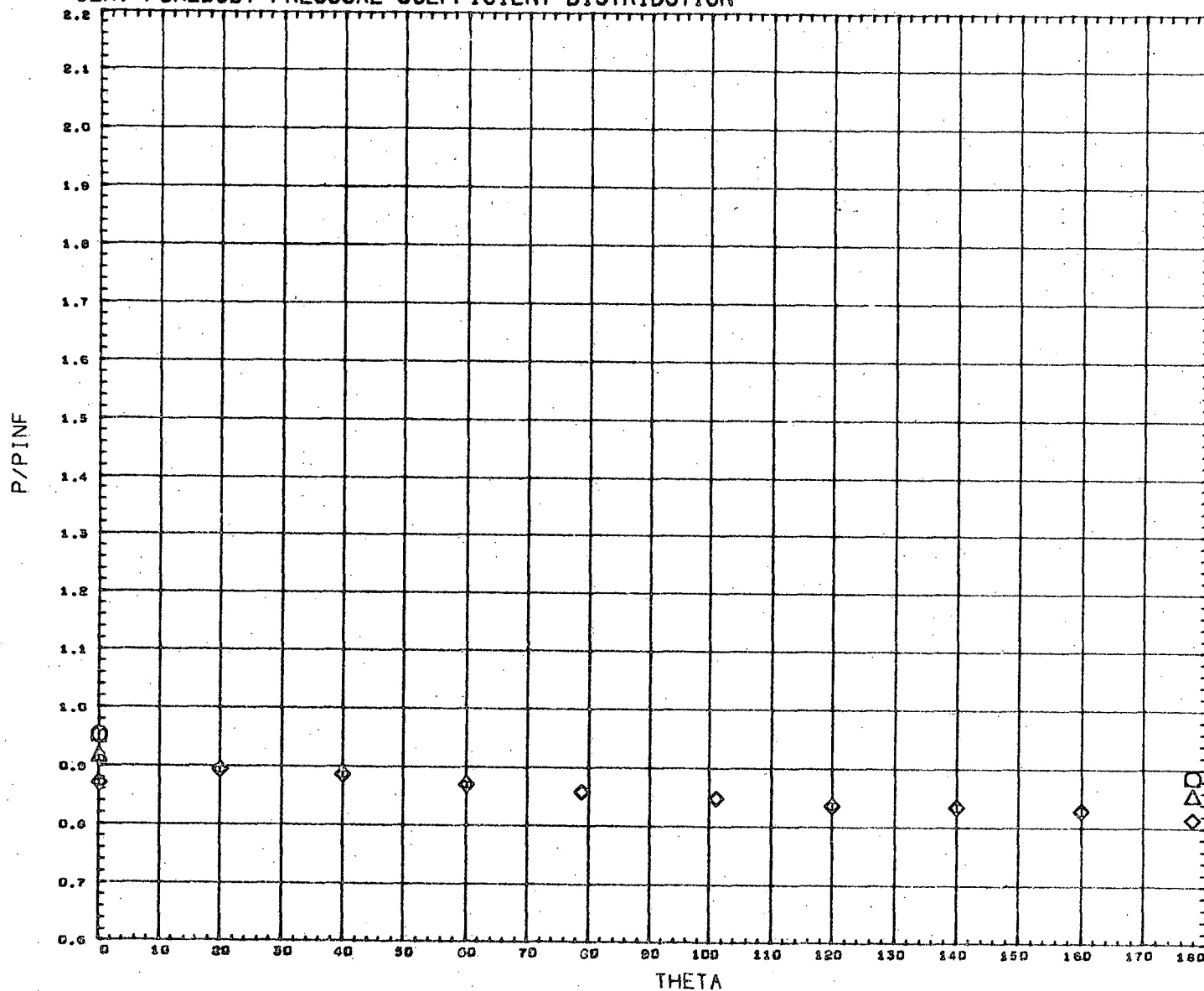
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	XREF	YREF	ZREF	PARAMETRIC VALUES
◇	0.527	202.083	0.599	972.557	50. IN.	E/DOOR	0.000	ALPHA	8.022
◇	0.505			27.000	INCHES	PC	402.996	WS/WFC	0.000
◇	0.468			27.000	INCHES				
◇	0.431			0.000	DIAHTR				
◇	0.394			0.000	DIAHTR				
◇	0.357			0.000	DIAHTR				

AECC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

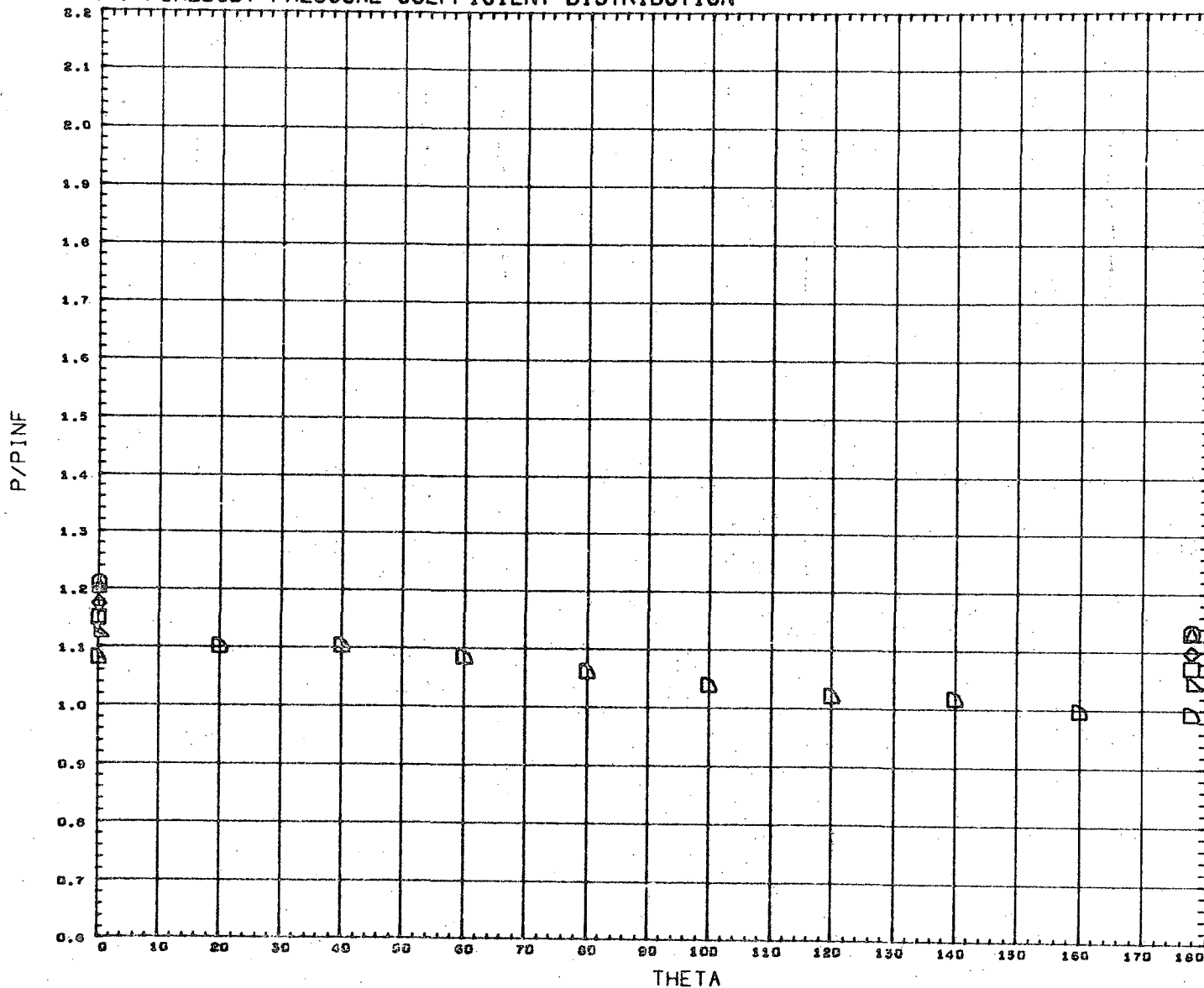
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	8.022
○	0.320	202.083	0.599	LAEP	27.000	INCHES	FC	402.996	WS/WFC	0.000
△	0.282			BRF	27.000	INCHES				
◇	0.260			XHRP	0.000	DIAMTR				
				YHRP	0.000	DIAMTR				
				ZHRP	0.000	DIAMTR				

00000000.F000E CC00 TN-AP-70-445

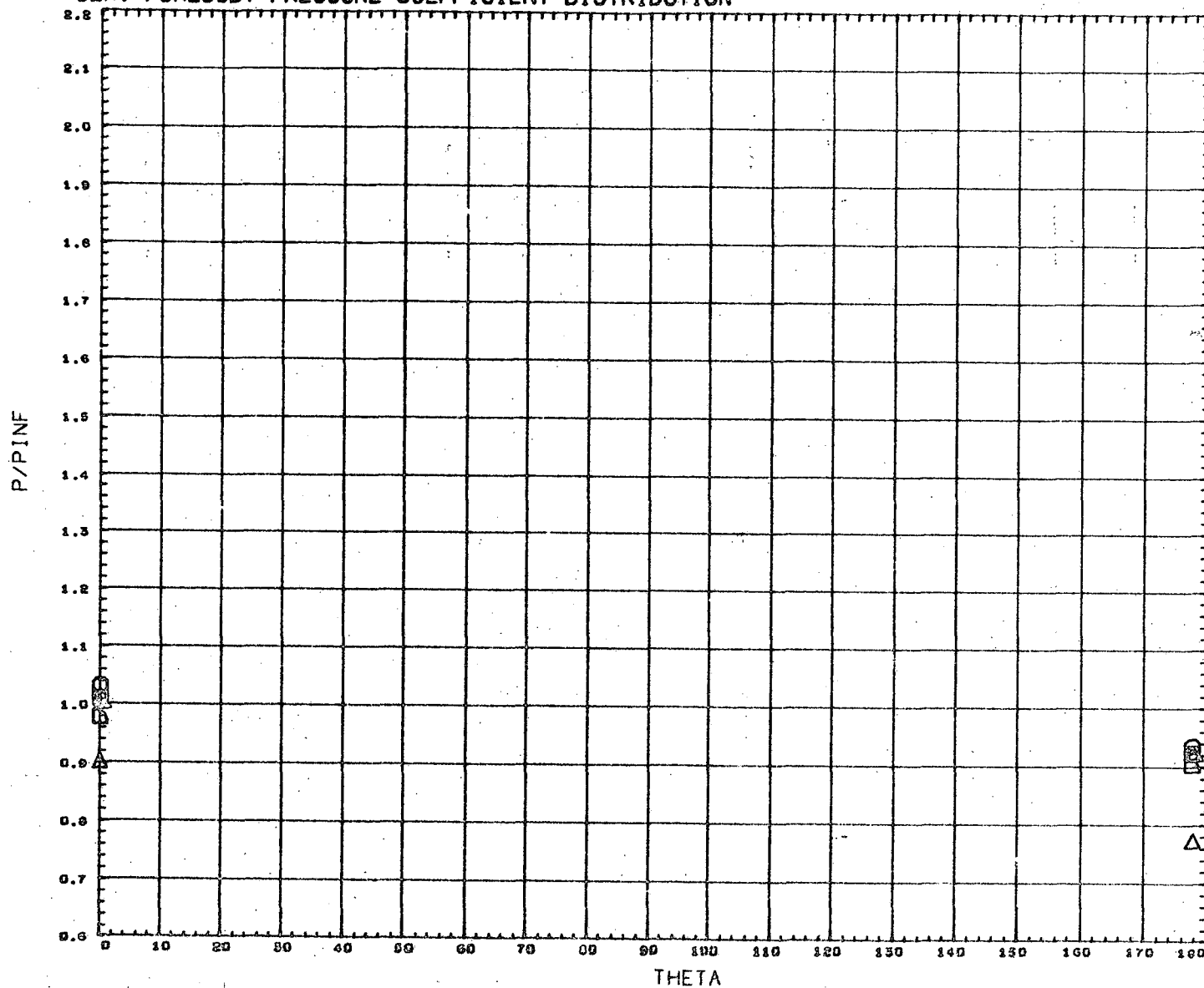
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES									
○	0.736	0.021083	0.599	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	8.022			
△	0.699			LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000			
◇	0.662			BREF	27.000	INCHES							
□	0.625			XMRP	0.000	DIAMTR							
▤	0.590			YMRP	0.000	DIAMTR							
▥	0.551	0.021083	0.599	ZMRP	0.000	DIAMTR							
		DATA=0.000	FRATIO=0.000	CC03 IN-AP-70-443									

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

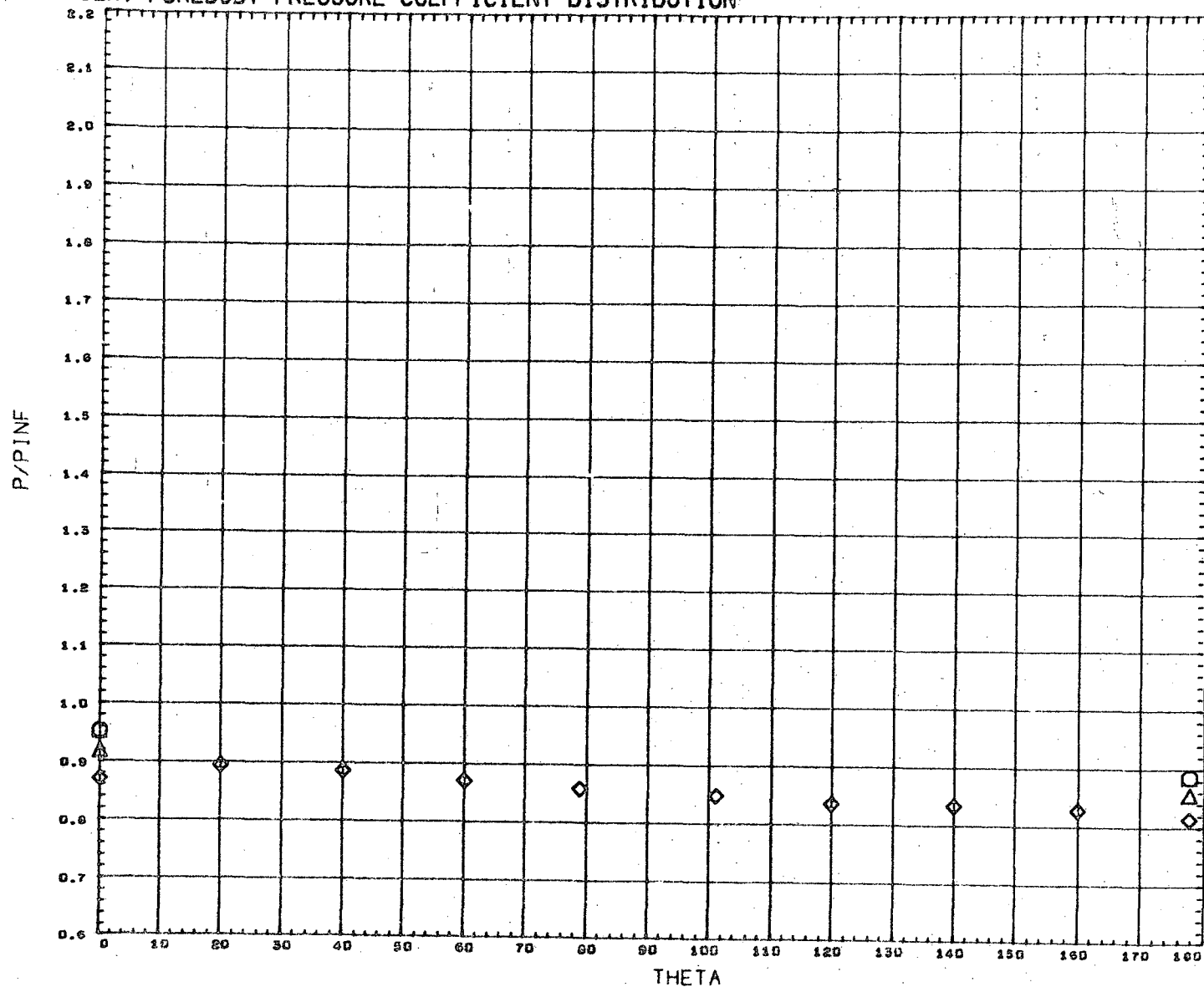


SYMBOL	X/C	PRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
□	0.527	202.003	0.599	LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000	
△	0.505			BREF	27.000	INCHES					
◇	0.468			XMRP	0.000	DIAHTR					
◊	0.431			YMRP	0.000	DIAHTR					
◻	0.394			ZMRP	0.000	DIAHTR					
◼	0.357	0.5700000.FECS	CC00	TN-AP-70-465							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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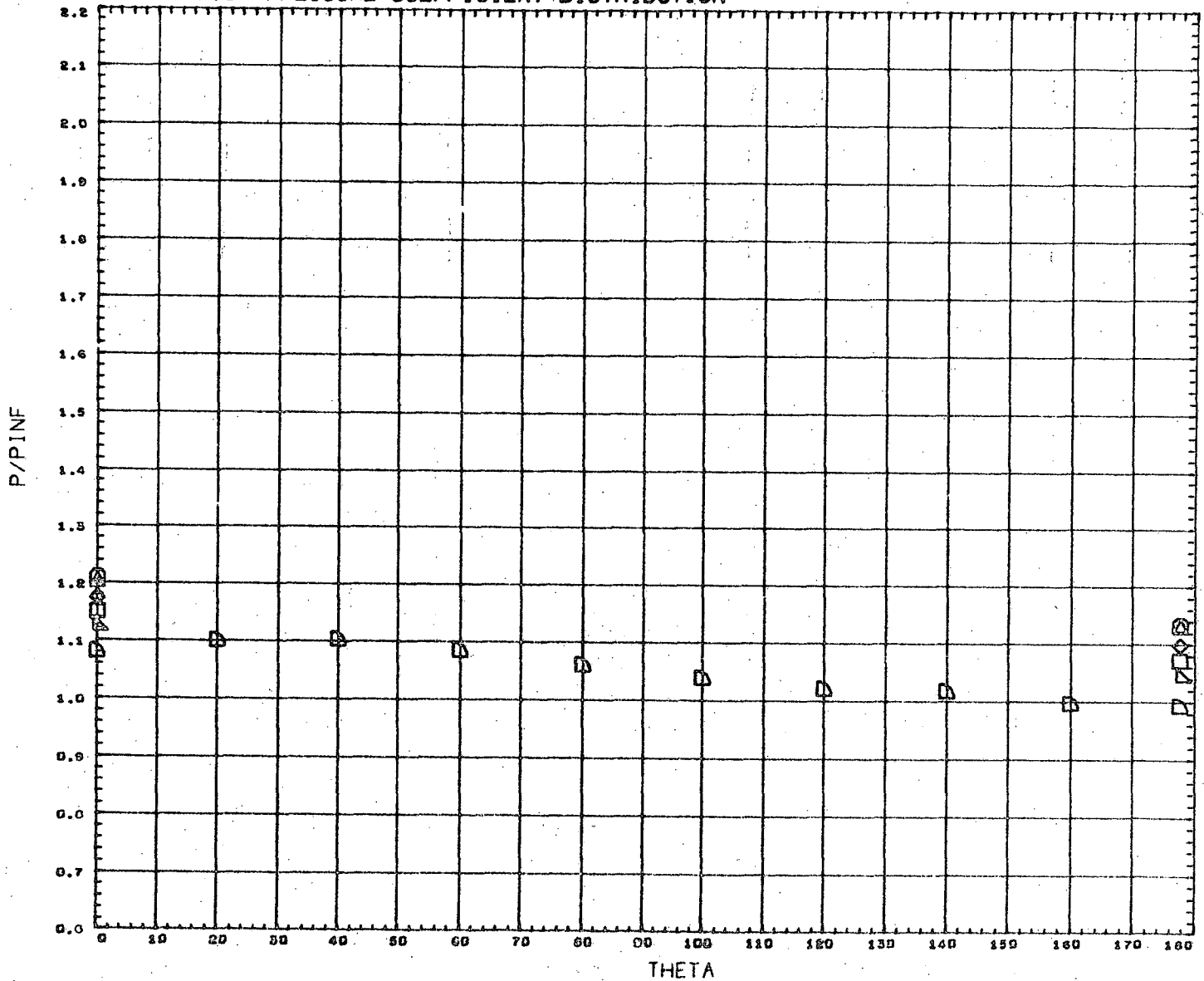
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58.1M.	E/DOOR	PARAMETRIC VALUES		
○	0.320	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA	8.022	
△	0.202			BREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	0.260			XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

08748000.FC00E CCSD TN-AP-70-443

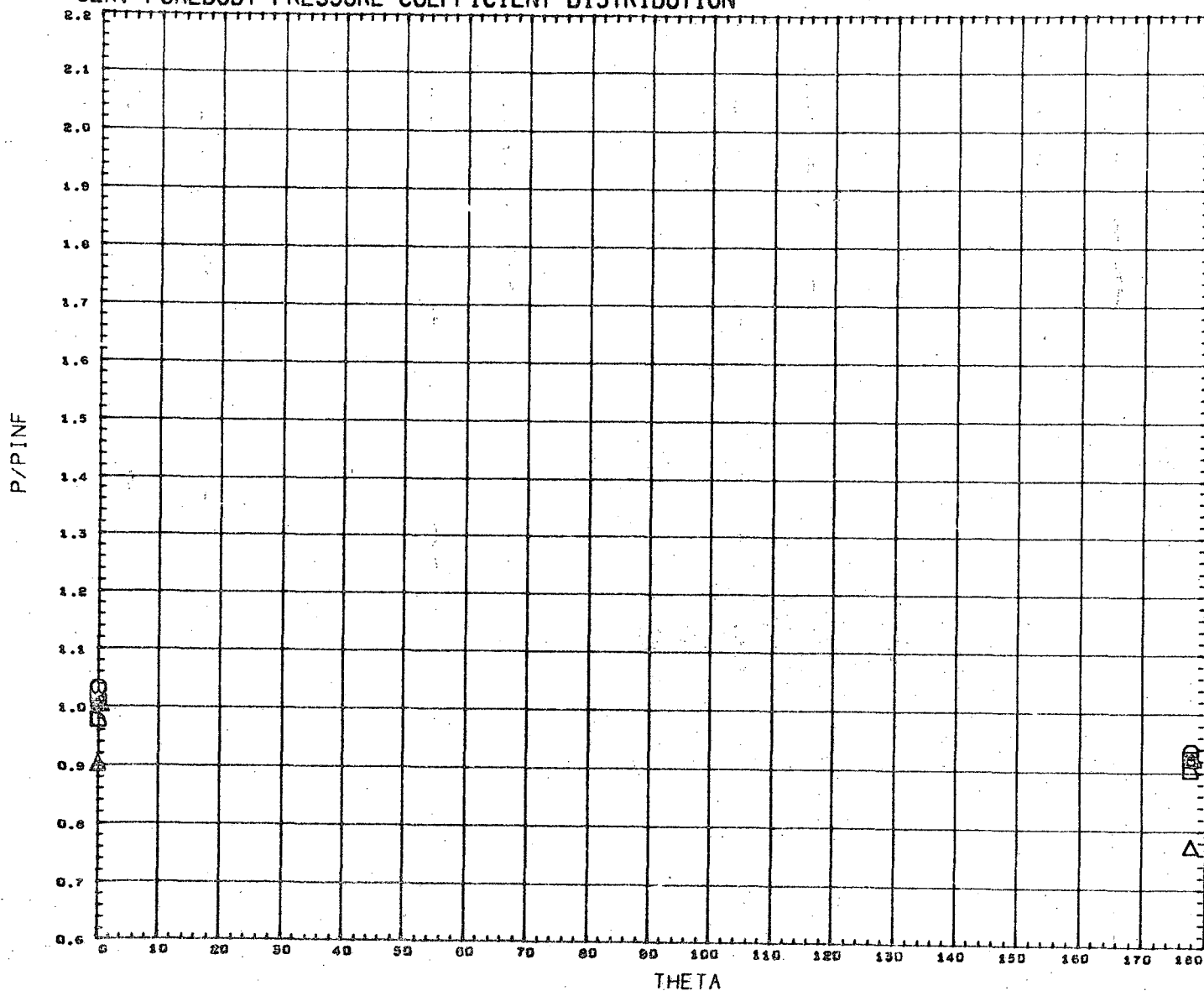
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.736	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.996	ALPHA 8.022
△	0.699			59.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	0.662											
□	0.625											
▽	0.588											
◇	0.551											

DETAR803.F00SE CCSD TN-AP-70-405

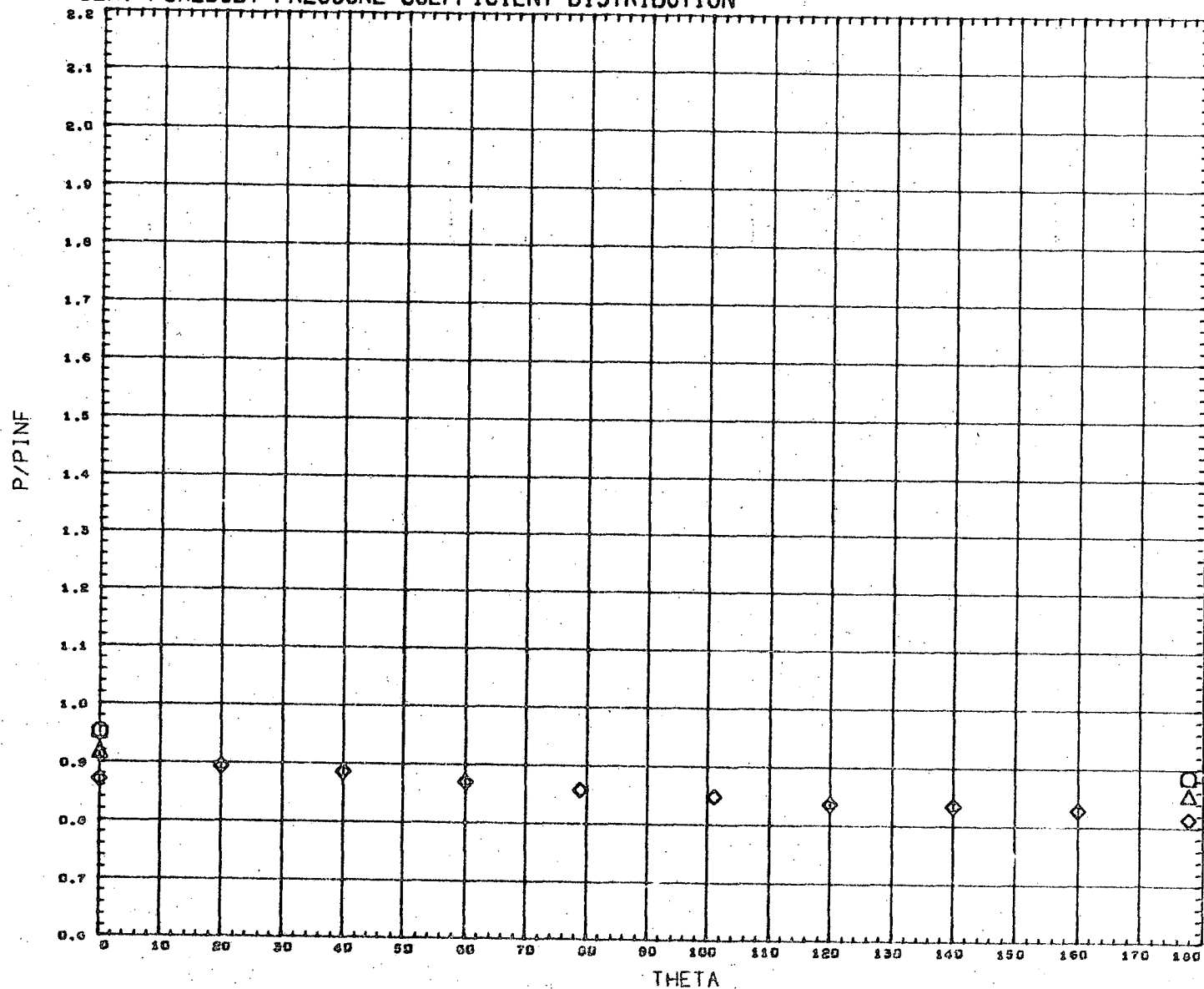
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	58. IN.	E/DOOR	PARAMETRIC VALUES
○	0.527	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	0.505			BREF	27.000	INCHES	PC 402.996	WS/WFC 0.000
◇	0.460			XMRP	0.000	DIAMTR		
□	0.433			YMRP	0.000	DIAMTR		
▢	0.394			ZMRP	0.000	DIAMTR		
▤	0.357	0.570000	0.599					

AEDC TF230 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



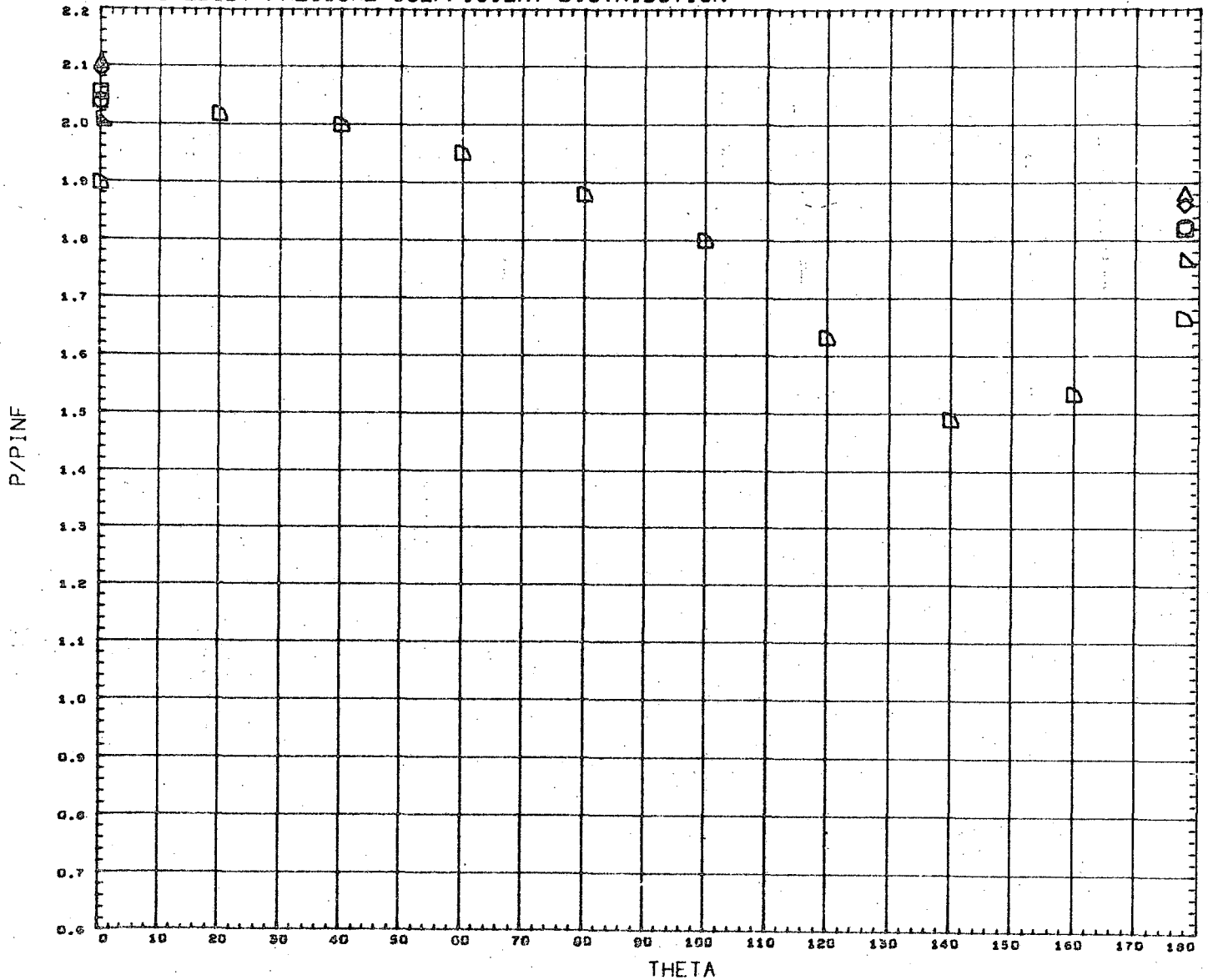
SYMBOL	X/D	FRATIO	MACH	SREF	572.357	59.1M.	E/DOOR	PARAMETRIC VALUES	
○	0.320	202.083	0.599	LREF	27.000	INCHES	PC	0.000	ALPHA 8.022
△	0.262			BREF	27.000	INCHES		402.996	WS/WFC 0.000
◇	0.260			XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
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DISCREET.FCODE CCSD TN-AP-76-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

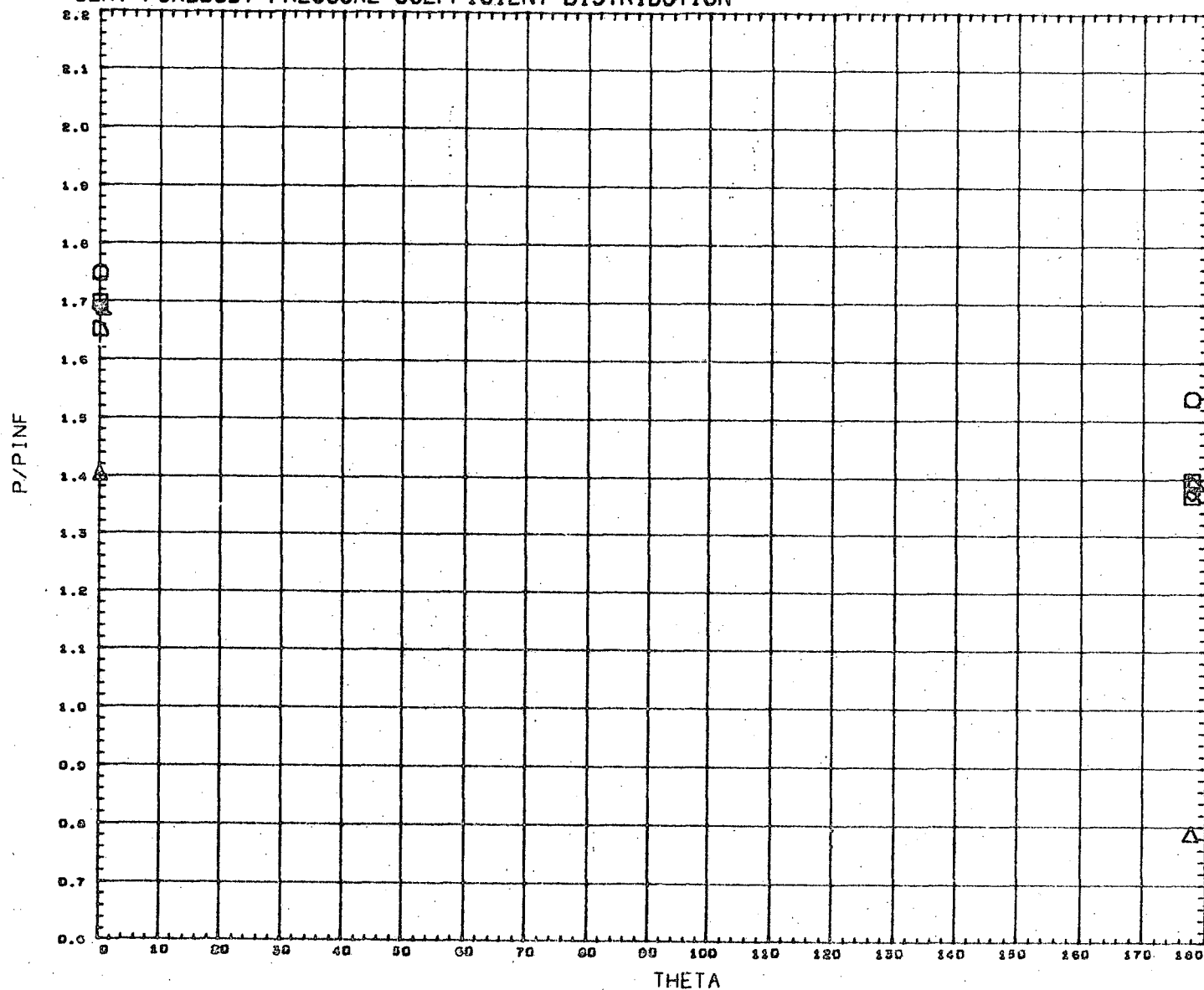
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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SE.IN.	INCHES	INCHES	E/DOOR	PC	PARAMETRIC VALUES		
○	0.736	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	50.1N.	INCHES	INCHES	0.000	402.996	ALPHA	8.022	0.000
△	0.698														WS/WPC		
◇	0.682																
□	0.623																
▽	0.580																
◇	0.551	05542863.FC28E	CCSD TN-AP-70-445														

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

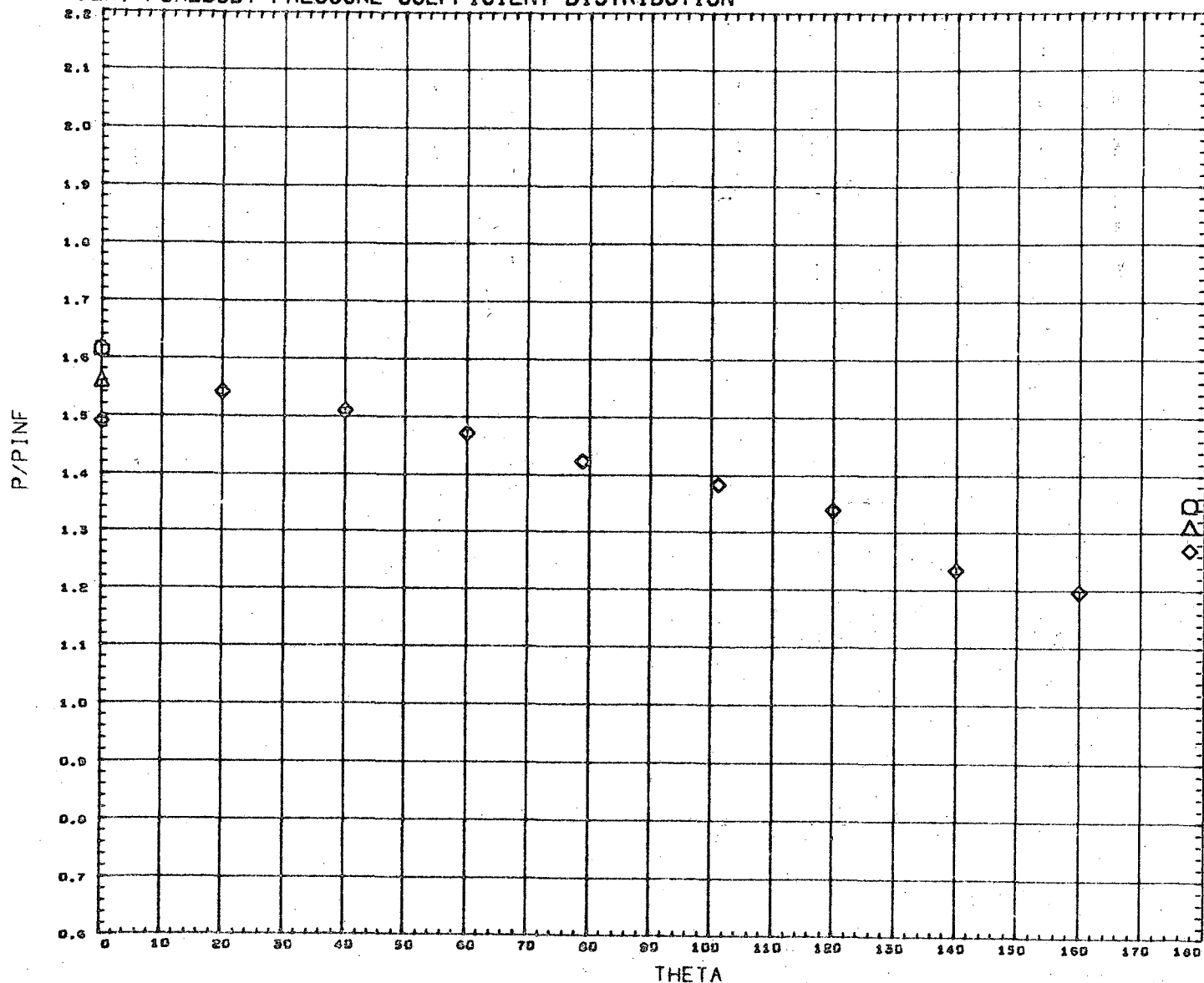


SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	0.527	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	0.000	402.996	ALPHA 8.022
△	0.505			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	0.468											
□	0.431											
▢	0.394											
▤	0.357	DATA REDGE.FLAGE	CCSD TN-AP-70-449									

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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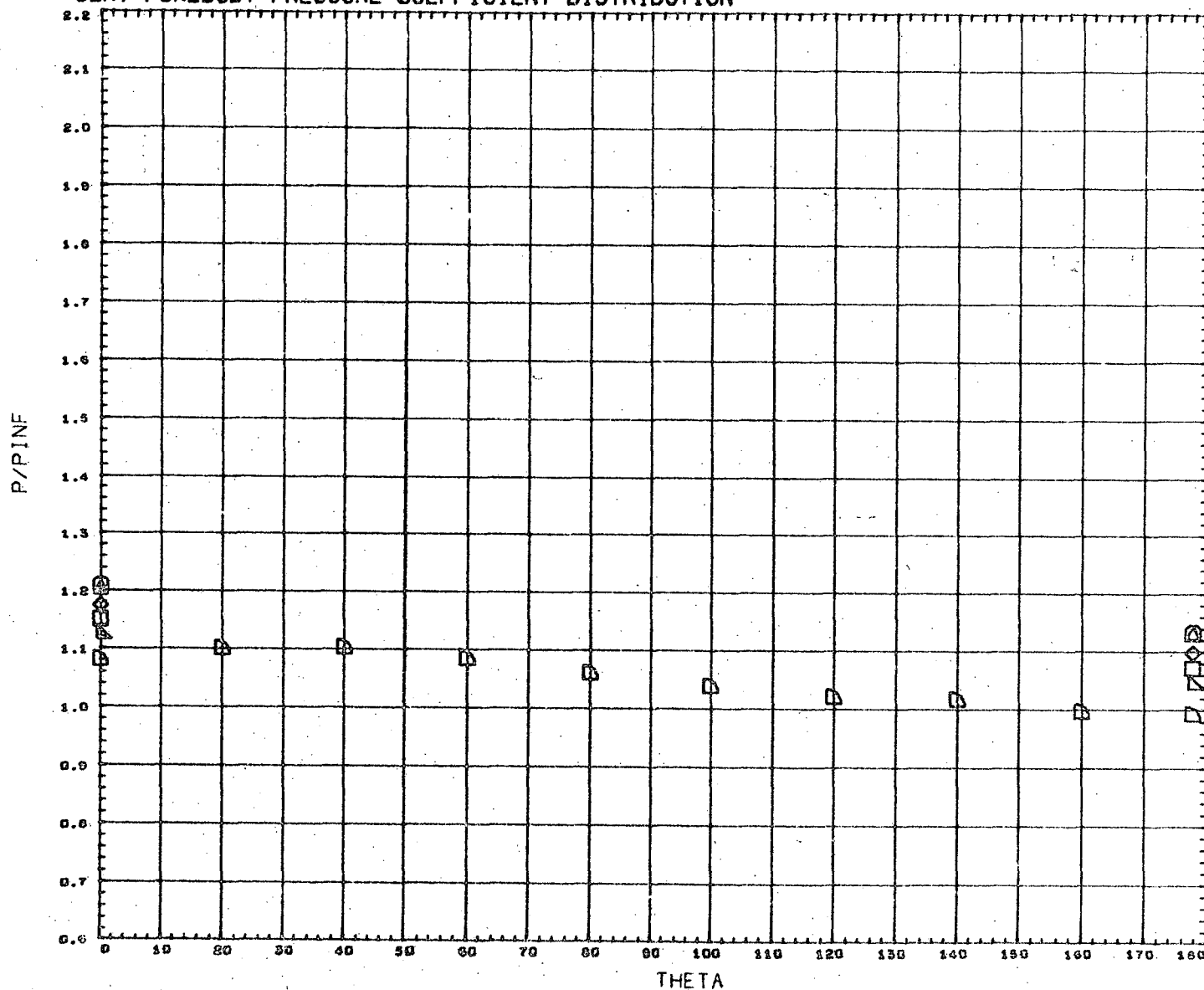
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	
○	0.320	400.737	1.253	LREF	27.000	INCHES	PC	0.000	ALPHA
△	0.352			BREF	27.000	INCHES		402.996	WS/WFC
◇	0.260			XHRP	0.000	DIAMTR			8.022
				YHRP	0.000	DIAMTR			0.000
				ZHRP	0.000	DIAMTR			

DATA SOURCE: FIGURE CCSD TN-AP-70-443

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

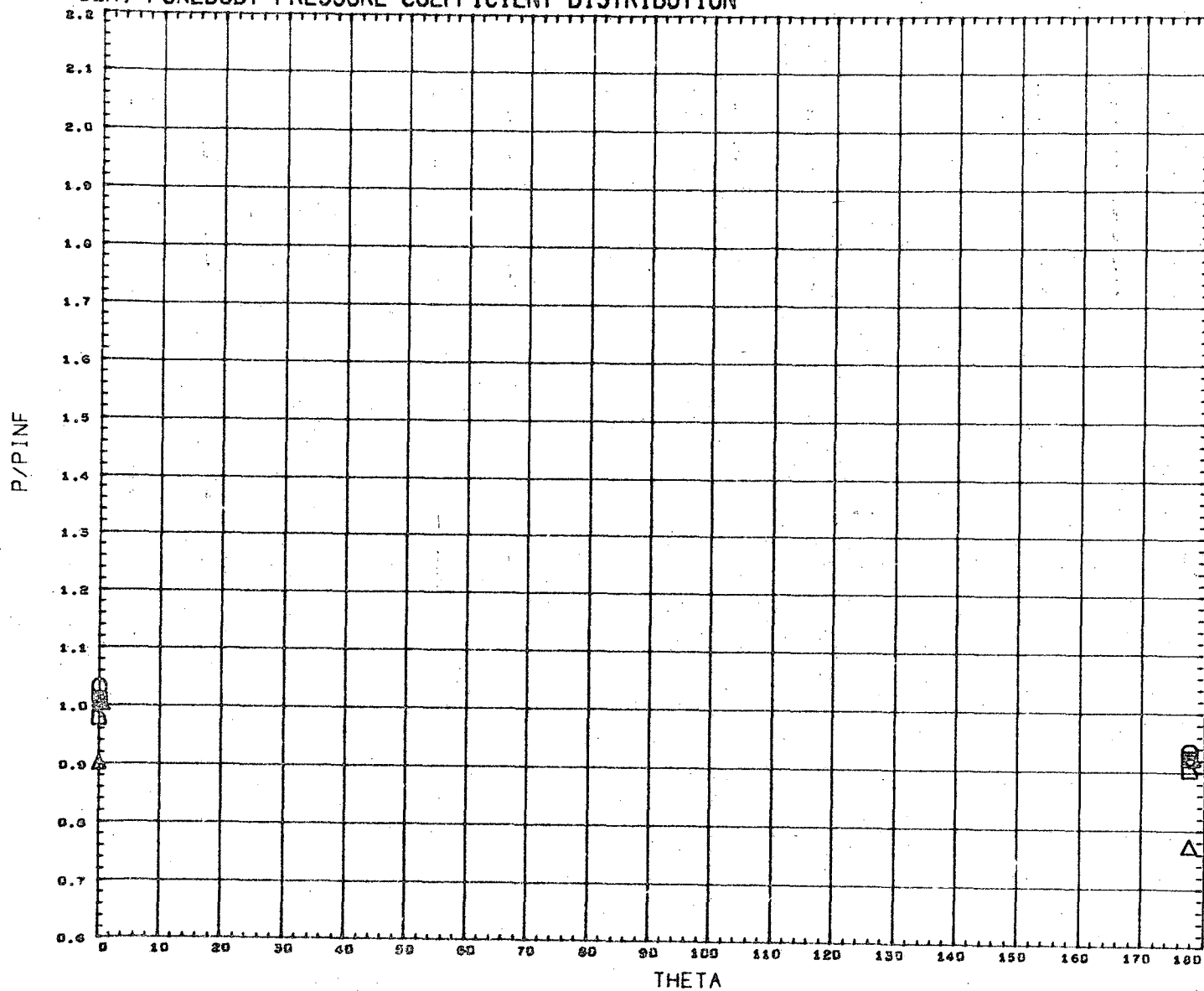


SYMBOL	X/D	PRATIO	MACH	SREF	572.957	50.IN.	E/DOOR	0.000	ALPHA	0.022
◇	0.736	202.003	0.599	LREF	27.000	INCHES	FC	402.996	WS/WPC	0.000
◇	0.699			BREF	27.000	INCHES				
◇	0.662			XMRP	0.000	DIAMTR				
◇	0.625			YMRP	0.000	DIAMTR				
◇	0.588			ZMRP	0.000	DIAMTR				
◇	0.551	007000000.FSCSE	CC09 TH-AP-70-443							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



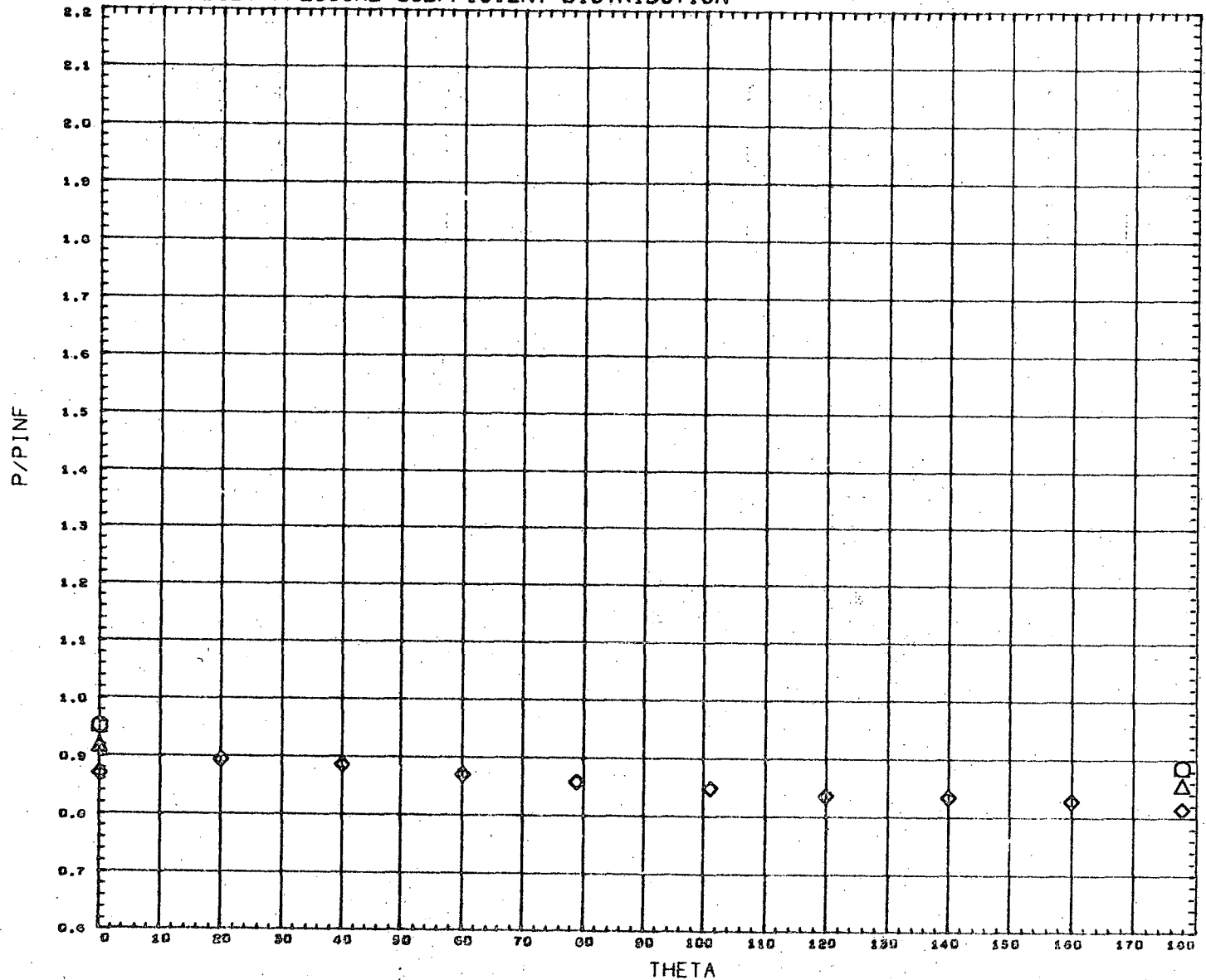
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES
○	0.527	202.903	0.599	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	0.505			BREF	27.000	INCHES	PC 402.996	WS/WFC 0.000
◇	0.450			XHRP	0.000	DIAMTR		
□	0.431			YHRP	0.000	DIAMTR		
▤	0.390			ZHRP	0.000	DIAMTR		
▥	0.357							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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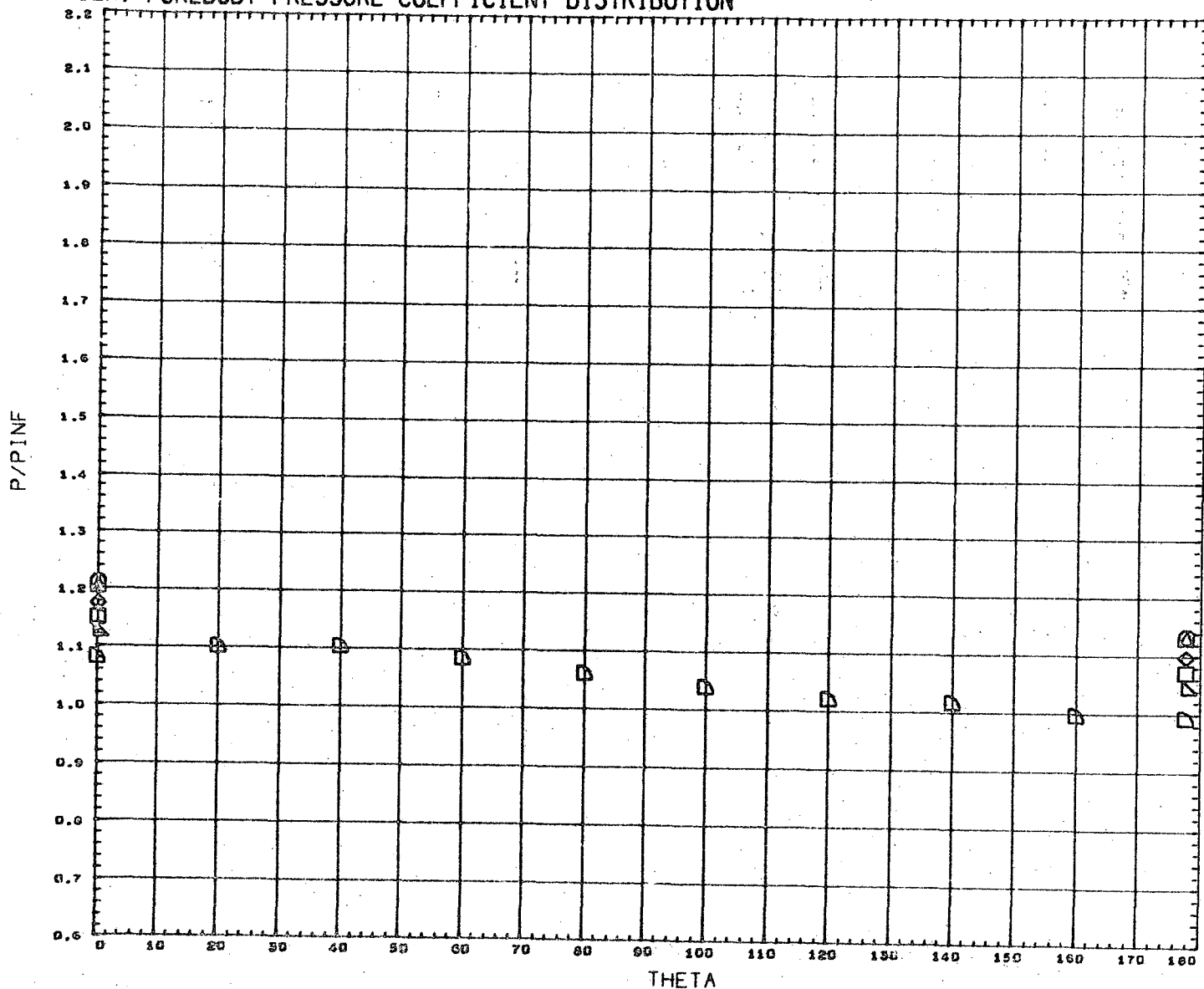
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	8.022	0.000
○	0.320	202.063	0.599	572.557	27.000	27.000	0.000	0.000	0.000	59. IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	402.996					
△	0.262																				
◇	0.260																				

RESEARCHER: FCGE CCSD TN-AP-70-448

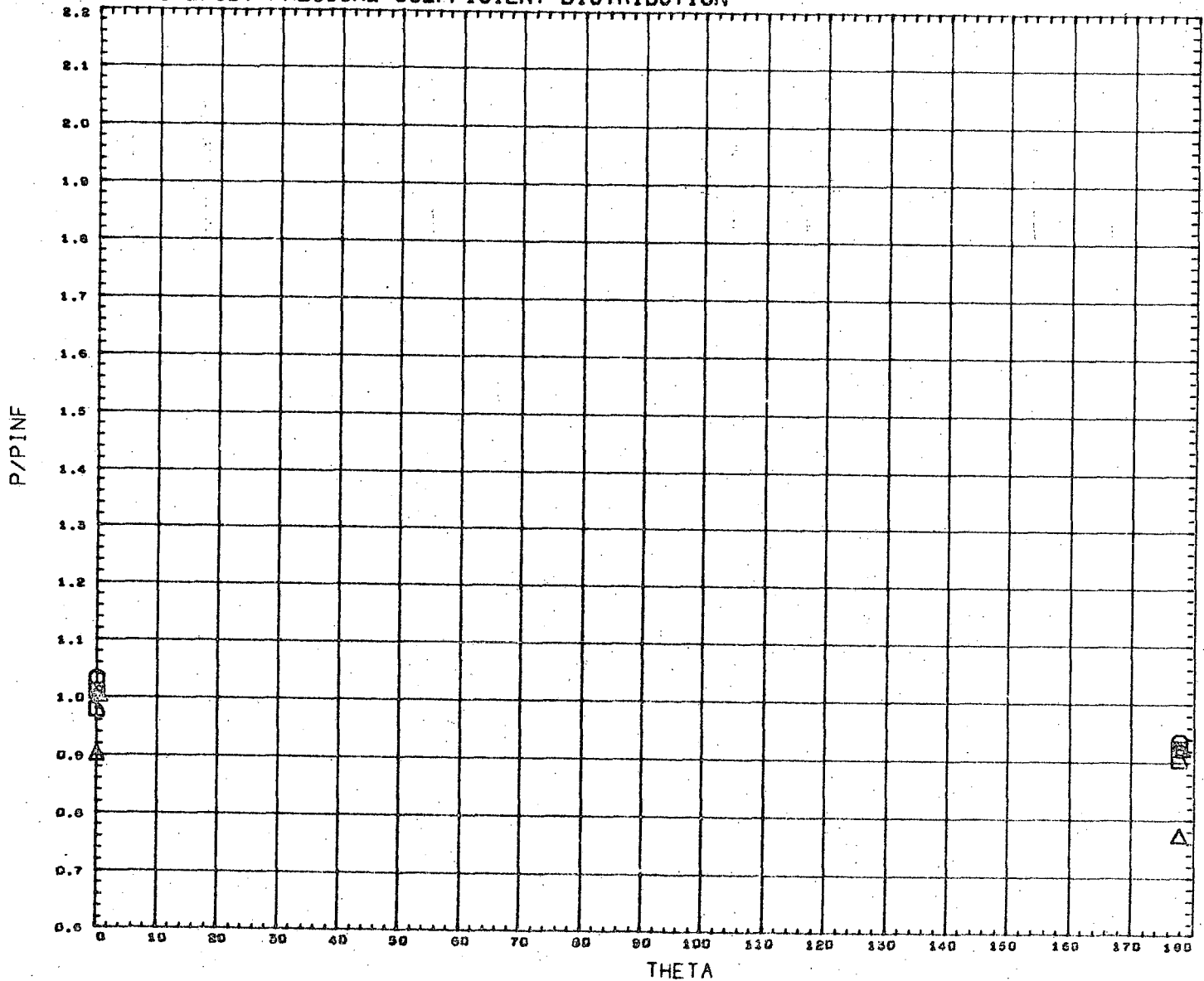
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	0.736	202.083	0.999	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
◇	0.699			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 402.996 WS/WFC 0.000
△	0.662									
□	0.625									
▽	0.583									
◇	0.551	0.5708000.FC08E	CCSD TW-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



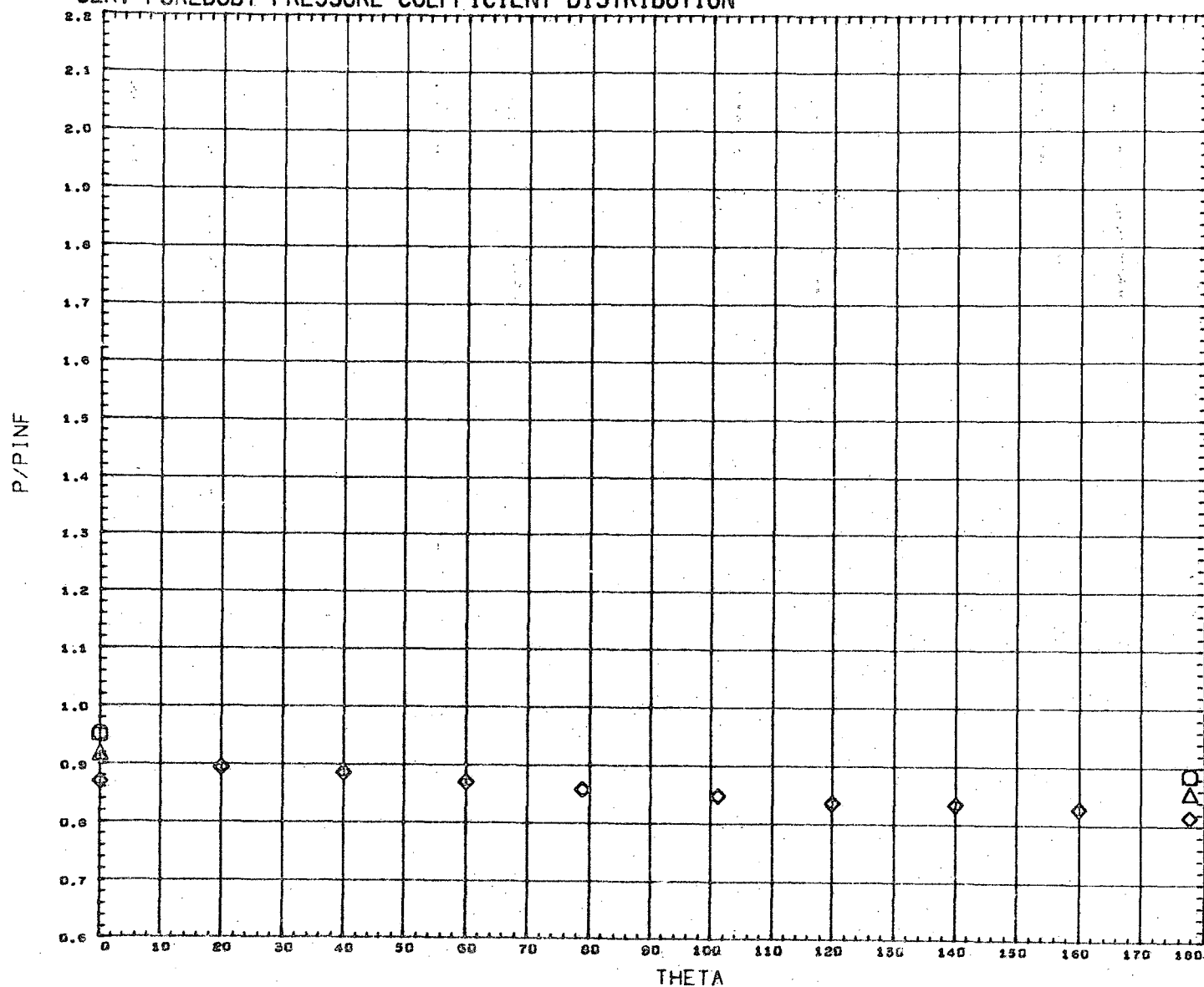
SYMBOL	X/D	PRATIO	MACH	SREF	572.557	SG. IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	8.022
○	0.527	202.093	0.599	LREF	27.000	INCHES	FC	0.000	WS/WPC	0.000
◇	0.505			BREF	27.000	INCHES				
□	0.468			XMRP	0.000	DIAMTR				
△	0.431			YMRP	0.000	DIAMTR				
▽	0.394			ZMRP	0.000	DIAMTR				
◇	0.357	0.5700000.F600E	CC09 TH-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



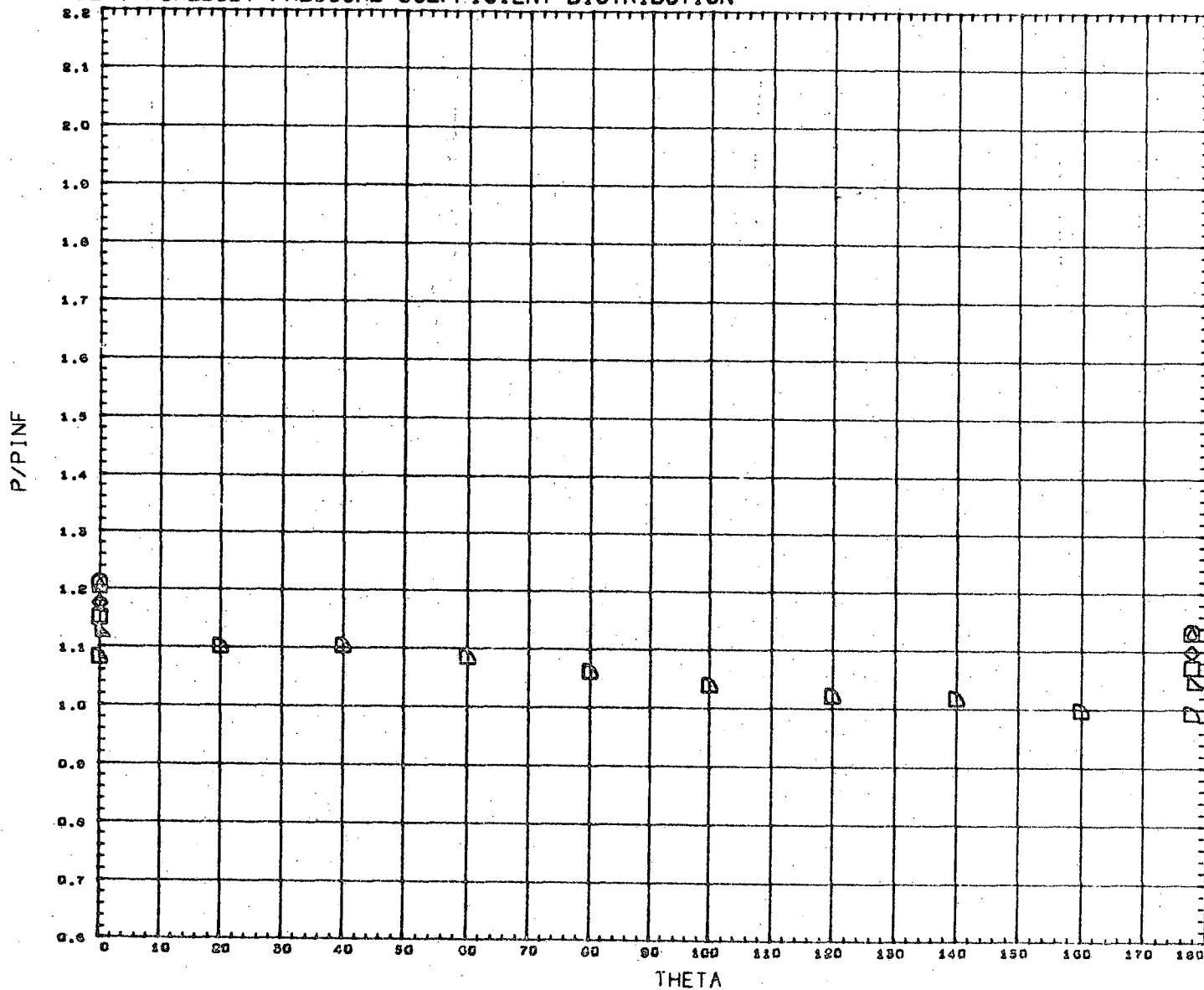
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	0.320	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000	0.000
△	0.281			58.000	27.000	27.000	0.000	0.000	0.000	0.000	402.996			
◇	0.260			58.000	27.000	27.000	0.000	0.000	0.000	0.000	402.996			

ORF000000.FE000 CCSD TM-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



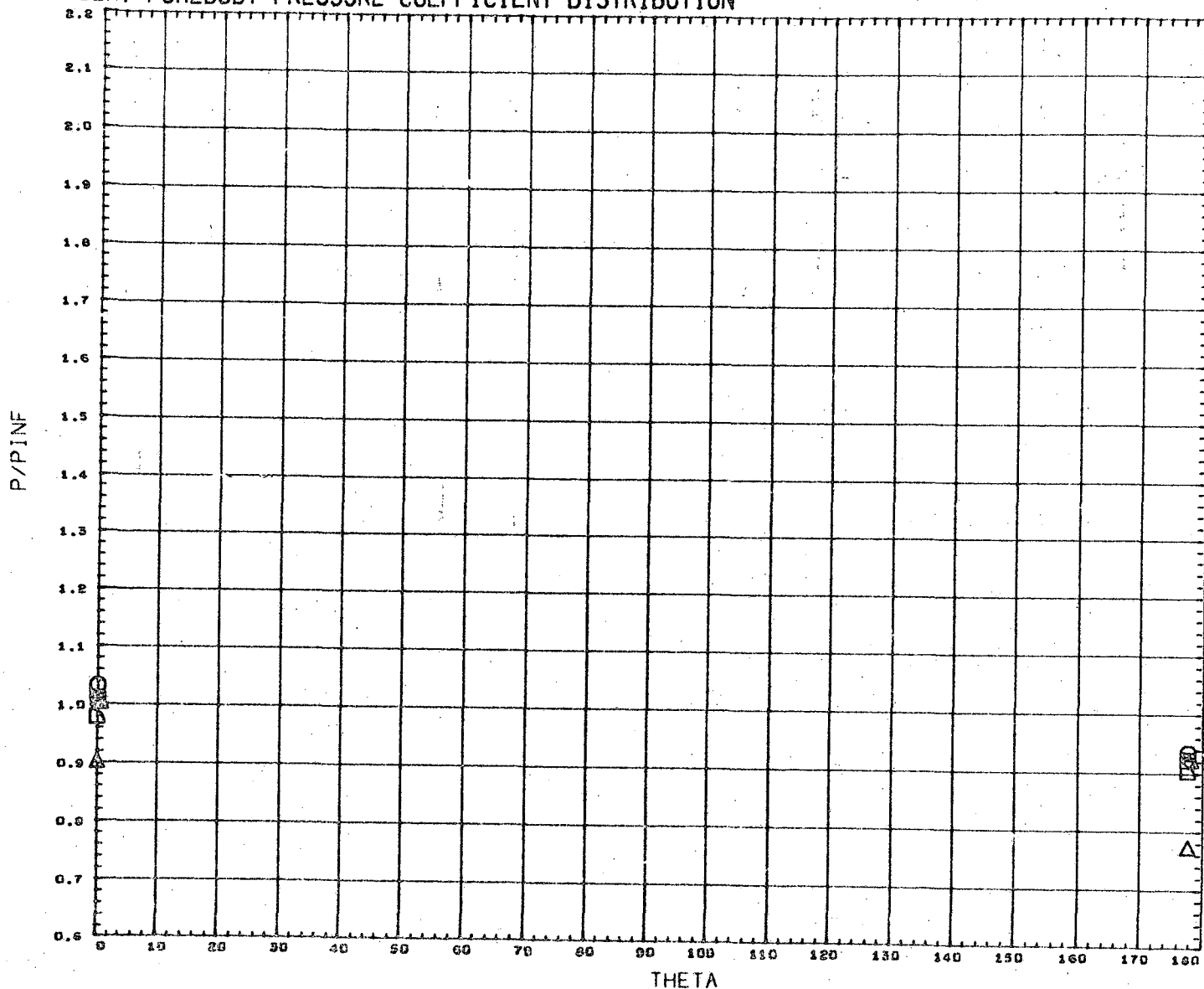
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	0.736	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	402.996	8.022	0.000
△	0.699			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	0.662													
□	0.625													
▽	0.590													
◇	0.551													

DATA BASE, F&E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



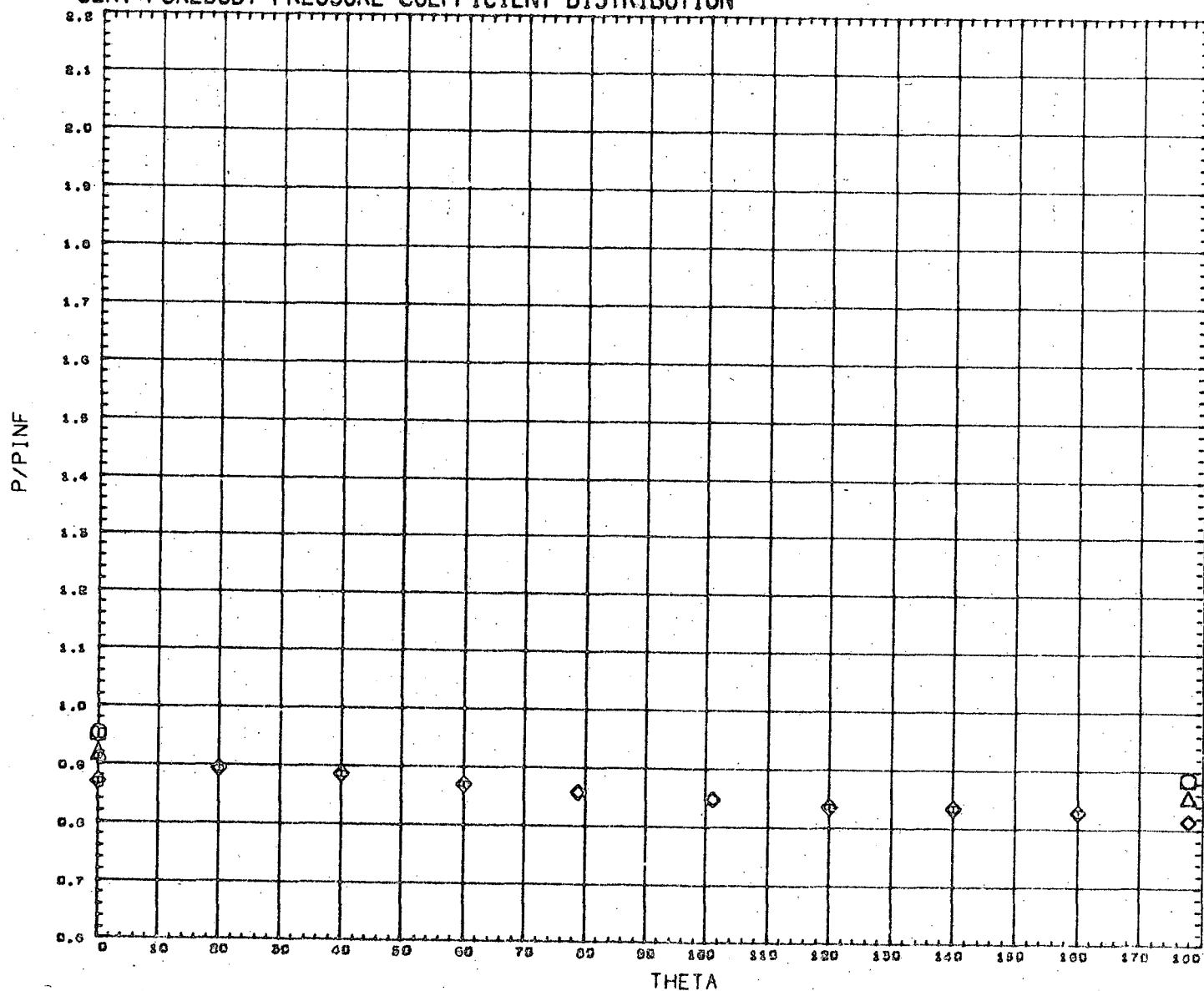
SYMBOL	X/D	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG. IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	8.022	0.000
○	0.527	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	0.505																	
◇	0.458																	
□	0.431																	
▽	0.394																	
◊	0.357																	

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY

(BT7148)

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SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



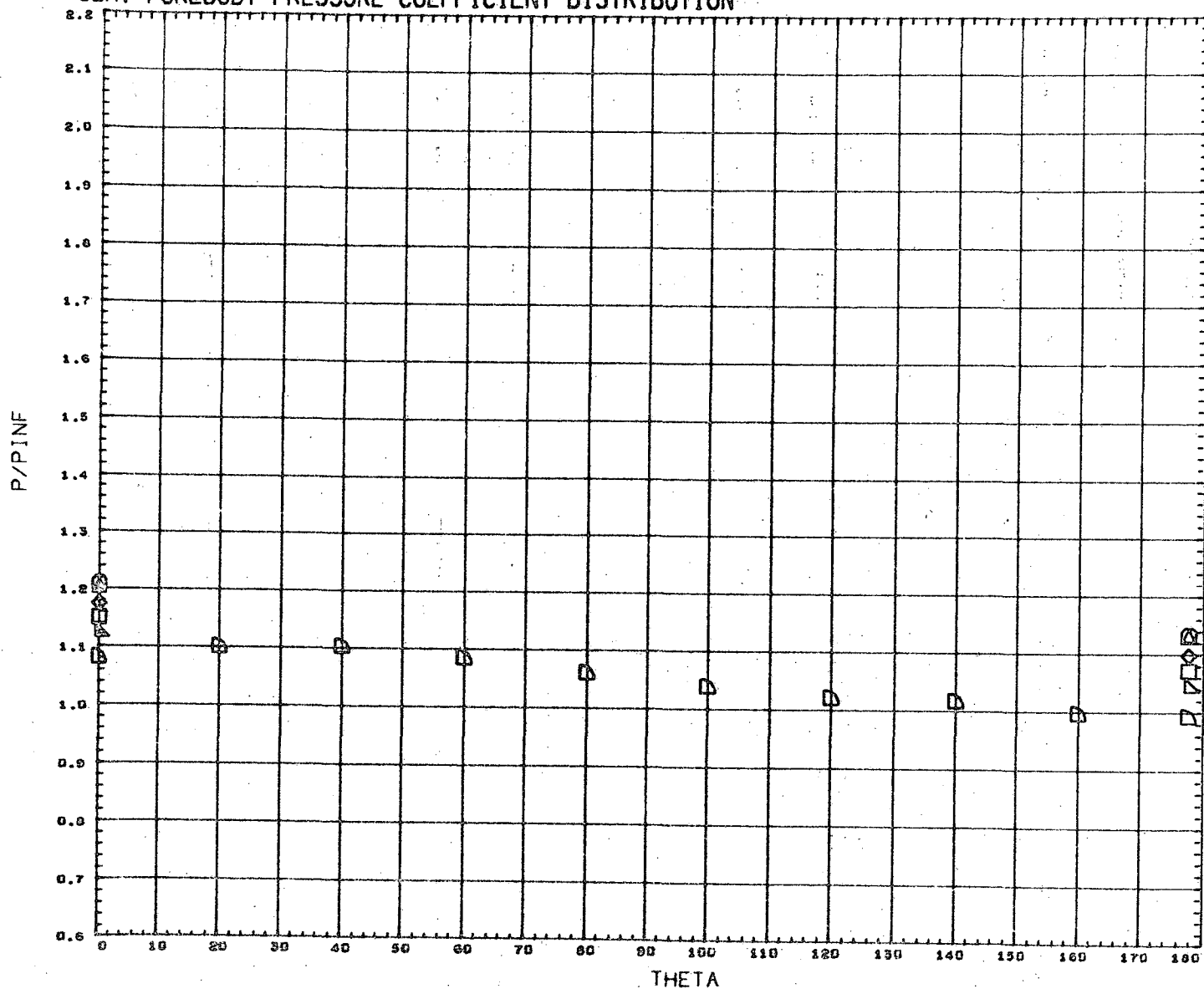
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○	0.320	802.003	0.990	LREF	27.000	INCHES	PC	0.000	ALPHA 0.022
△	0.202			BREF	27.000	INCHES		482.996	WS/WPC 0.000
◇	0.260			XMRP	0.000	DIANTR			
				YMRP	0.000	DIANTR			
				ZMRP	0.000	DIANTR			

807080003.FSCOE C000 YN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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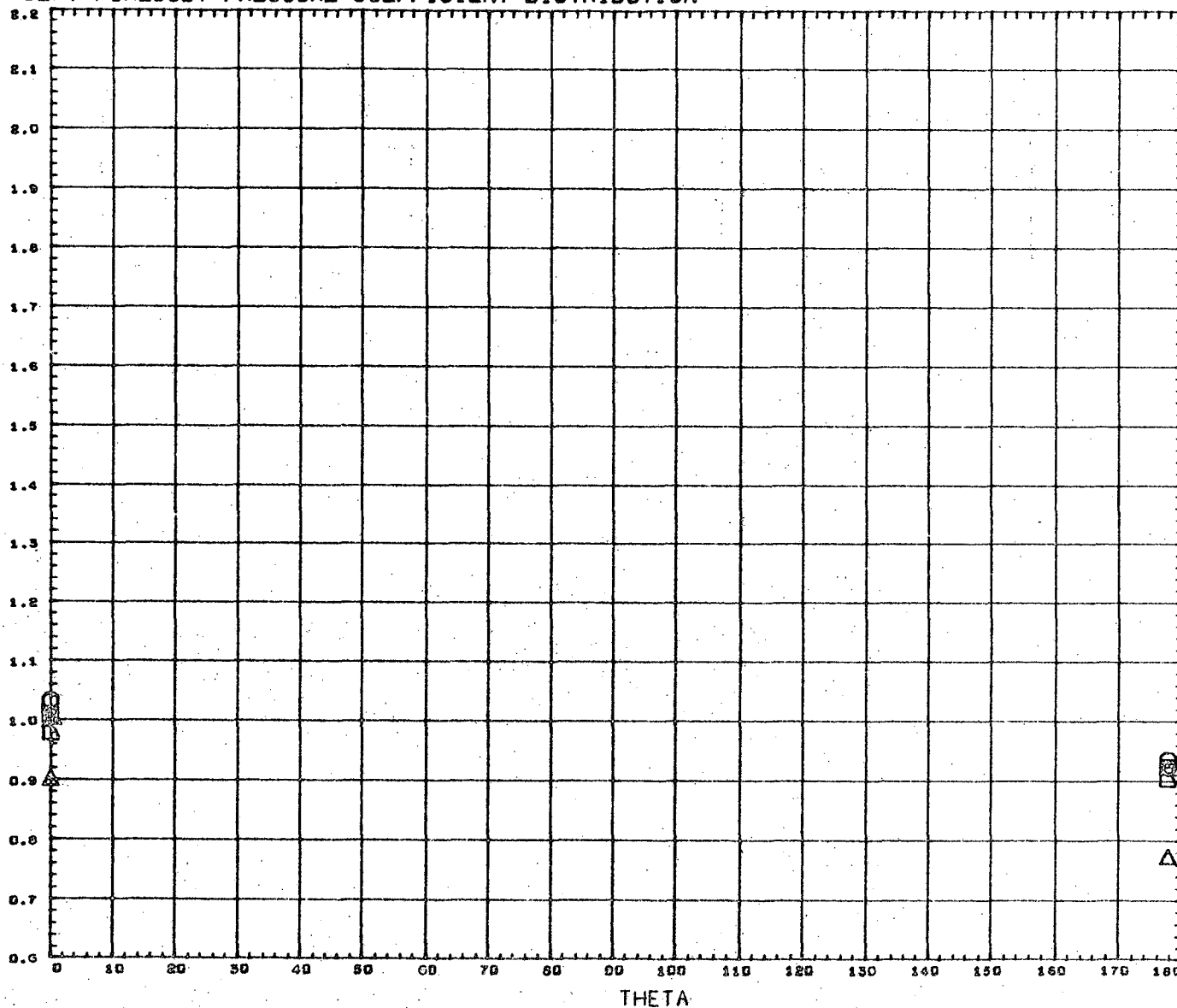
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	NACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG. IN.	INCHES	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC	0.022	0.000
○	0.736	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	0.000	402.996	0.000	0.000	0.000	0.000	0.000
△	0.699																	
◇	0.652																	
□	0.623																	
▢	0.538																	
◊	0.551	8888888. F108E	CCSD TN-AP-70-443															

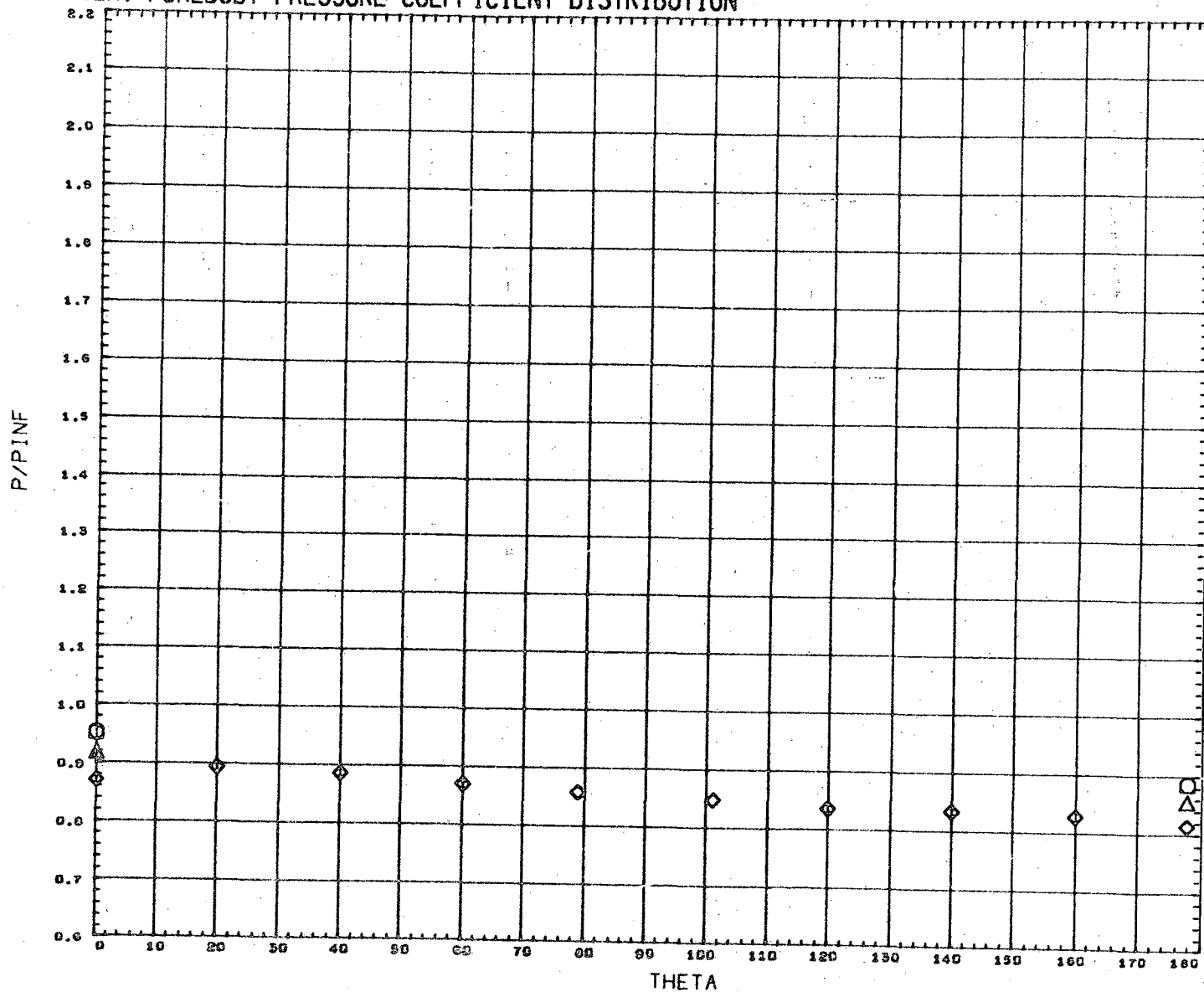
AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

P/PINF



SYMBOL	X/D	FRATIO	MACH	PARAMETRIC VALUES						
○	0.527	202.083	0.599	SREF	572.557	59. IN.	E/DOOR	0.000	ALPHA	8.022
△	0.505			LREF	27.000	INCHES				
◇	0.460			BREF	27.000	INCHES	PC	402.996	WS/WFC	0.000
□	0.431			XMRP	0.000	DIAMTR				
■	0.394			YMRP	0.000	DIAMTR				
▣	0.397	557020000.F600E	CC04 TN-AP-70-445	ZMRP	0.000	DIAMTR				

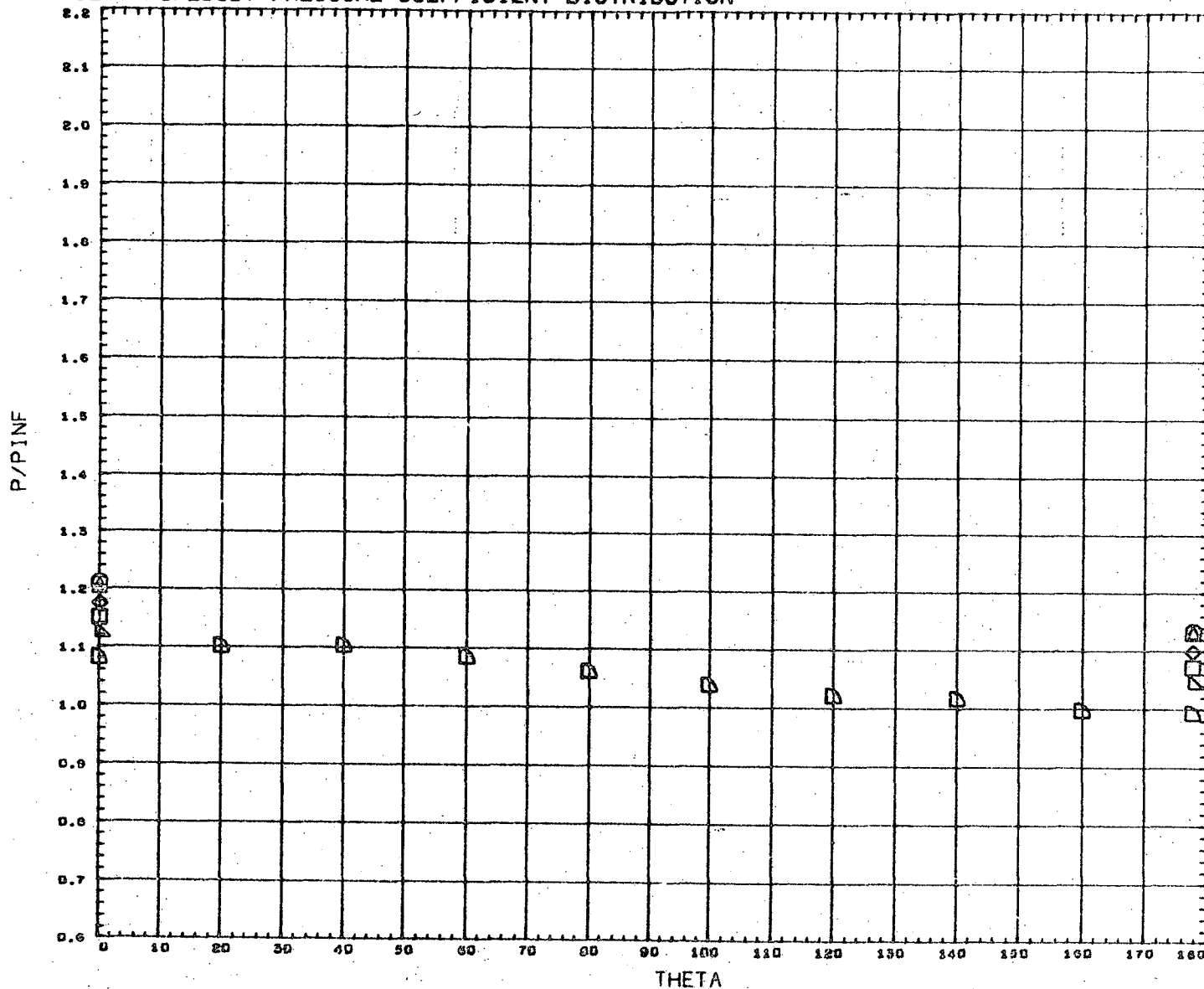
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
○	0.320	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA	0.022
△	0.202			BREF	27.000	INCHES	PC	402.996	WS/WPC
◇	0.240			XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

DSW49362.F5002 CCSD TR-AP-70-445

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION

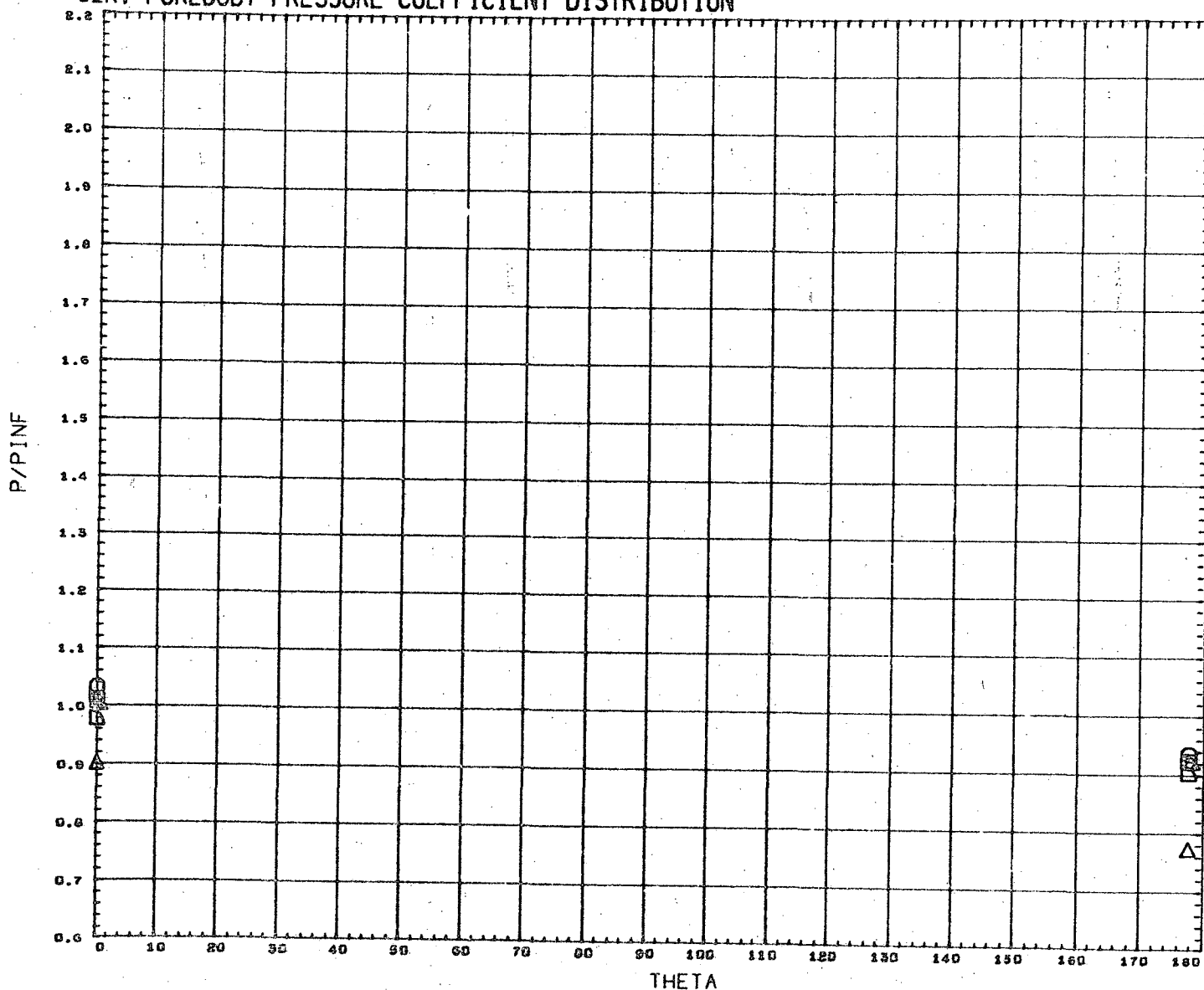


SYMBOL	X/D	PRATIO	MACH					PARAMETRIC VALUES		
○	0.736	202.083	0.599	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	8.022
△	0.699			LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000
◇	0.662			BREF	27.000	INCHES				
□	0.623			XMRP	0.000	DIAMTR				
▢	0.588			YMRP	0.000	DIAMTR				
◻	0.551			ZMRP	0.000	DIAMTR				
CCCC TH-AP-70-443										

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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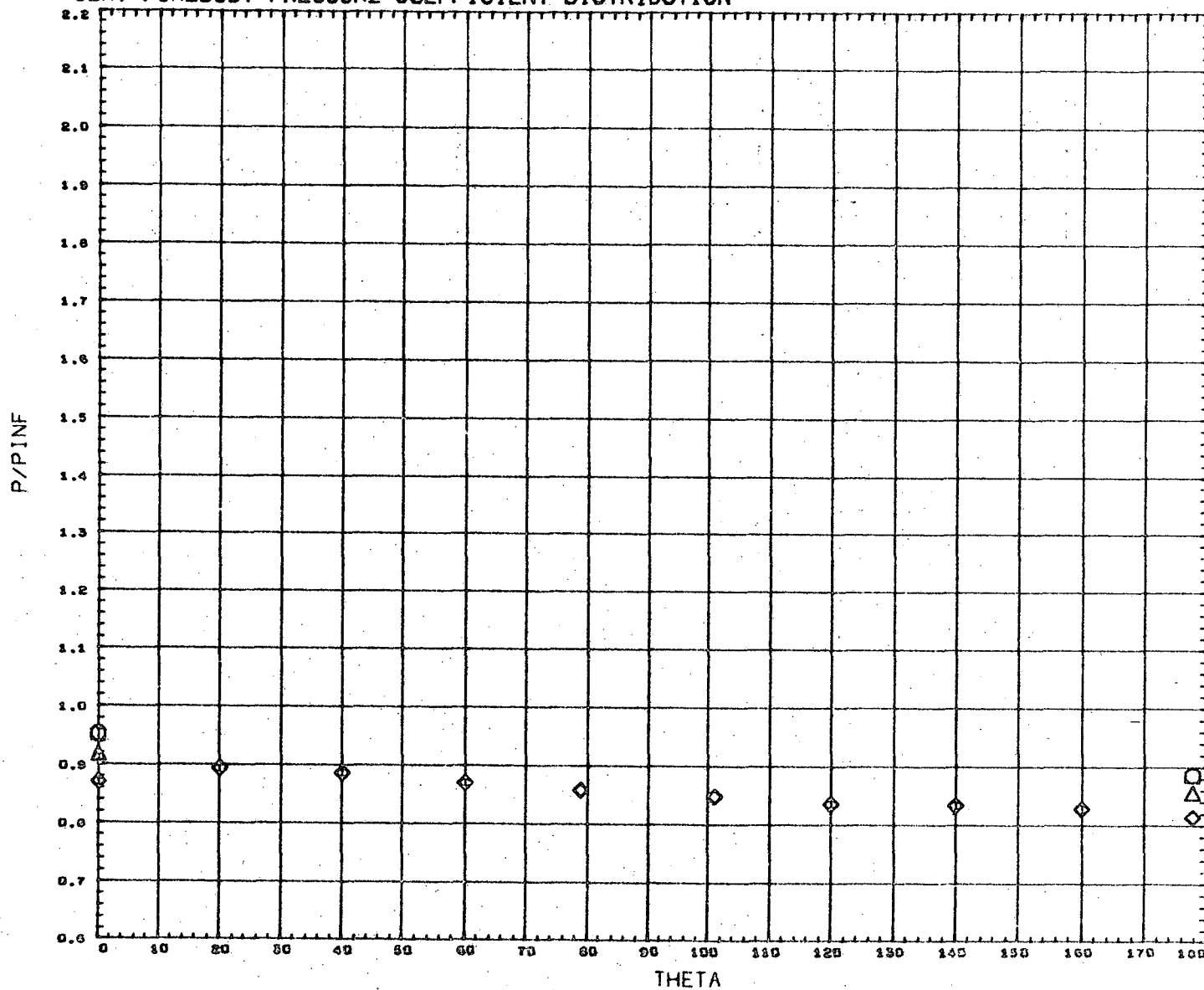
SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	X/D	PRATIO	MACH											PARAMETRIC VALUES			
○	0.527	202.083	0.593	SREF	572.557	58.IN.	E/DOOR	0.000	ALPHA	8.022							
△	0.505			LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000							
◇	0.498			BREF	27.000	INCHES											
□	0.423			XMRP	0.000	DIANTR											
■	0.384			YMRP	0.000	DIANTR											
◻	0.357	88788088.FCCE	CC00 TN-AP-70-449	ZMRP	0.000	DIANTR											

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

SERV FOREBODY PRESSURE COEFFICIENT DISTRIBUTION



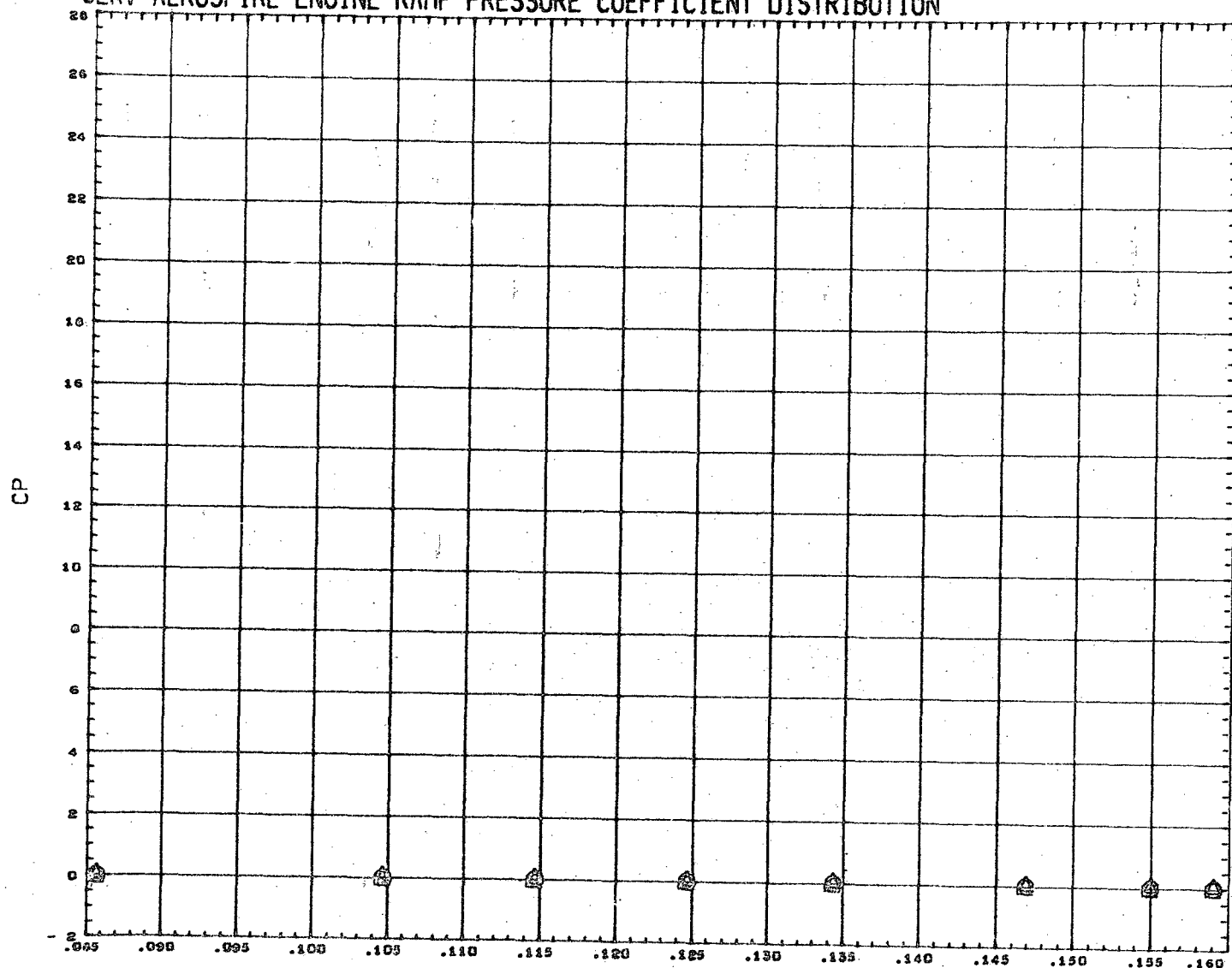
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○	0.320	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA 0.022
△	0.282			BREF	27.000	INCHES	PC	402.996 WS/WFC 0.000
◇	0.260			XMRP	0.000	DIAMTR		
				YMRP	0.000	DIAMTR		
				ZMRP	0.000	DIAMTR		

BS75R300Z.FC08E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) FOREBODY (BT7148)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL

THETA

PRATIO

MACH



275.620
315.000

125.000

0.086

SREF

572.557

50. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAMTR

YMRP

0.000

DIAMTR

ZMRP

0.000

DIAMTR

E/DOOR

PARAMETRIC VALUES

0.000

ALPHA

0.004

PC

404.679

WS/WFC

0.000

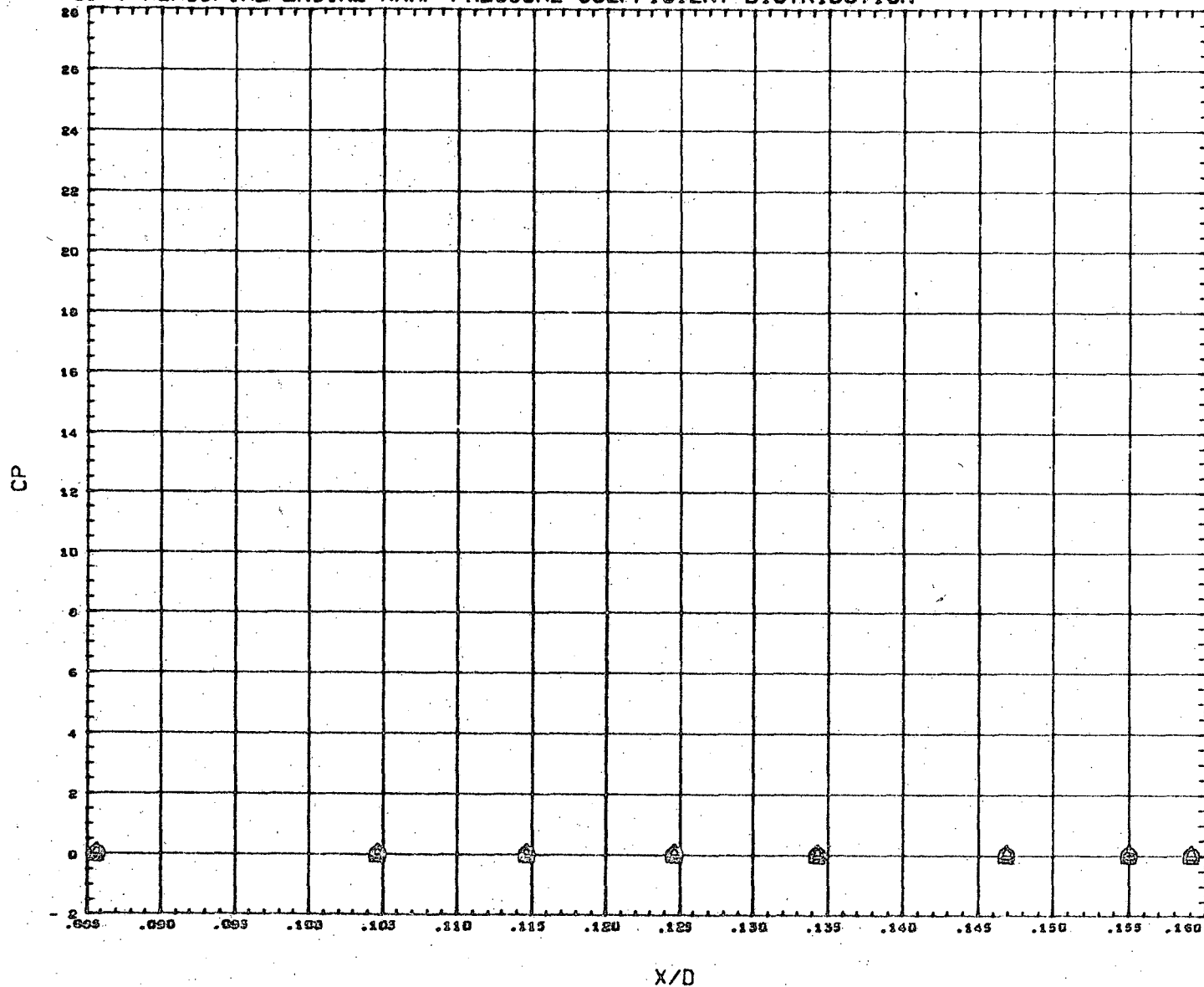
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CCSD TN-AP-70-645

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



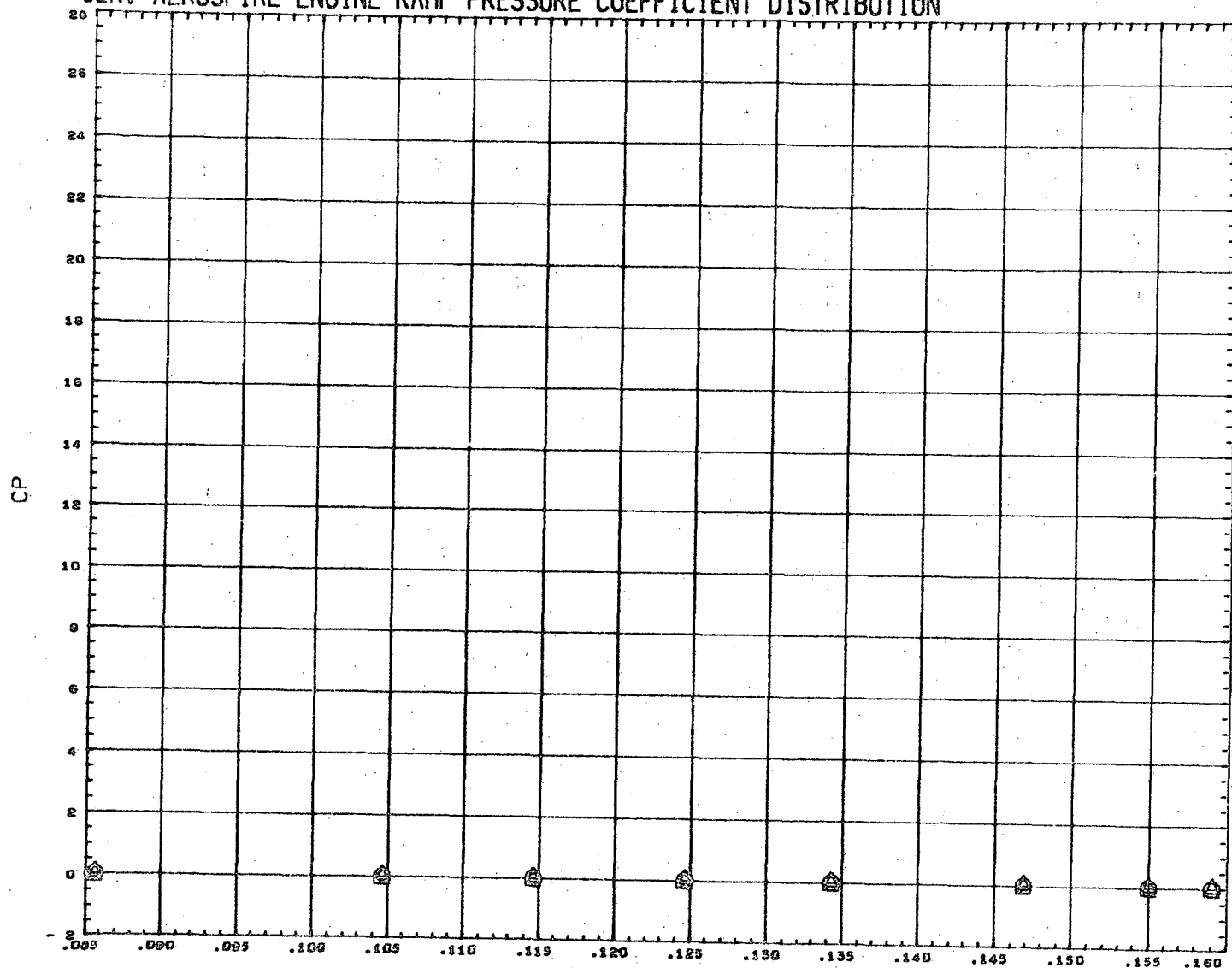
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○	275.620	151.003	0.099	572.557	27.000	27.000	0.000	0.000	0.000	50.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	319.000																	404.679		

08080808.FE66E CCSD TM-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

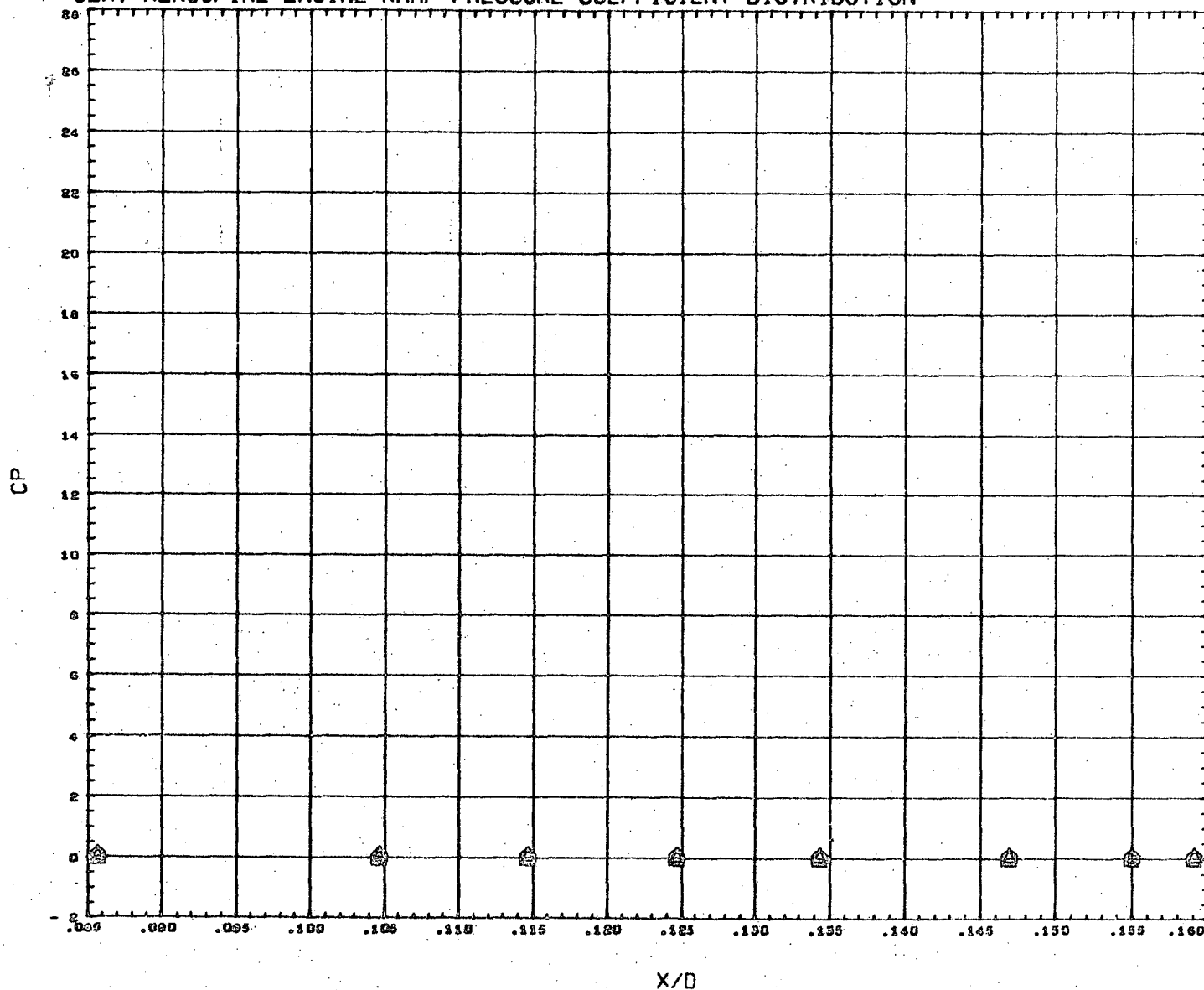
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	315.000			BREF	27.000	INCHES		404.679	WS/WFC
				XMRP	0.000	DIAMTR			0.004
				YMRP	0.000	DIAMTR			0.000
				ZMRP	0.000	DIAMTR			

DATA BASE FILE CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 304.463 0.074
 A 315.000

SREF 572.557 SQ. IN.
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 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

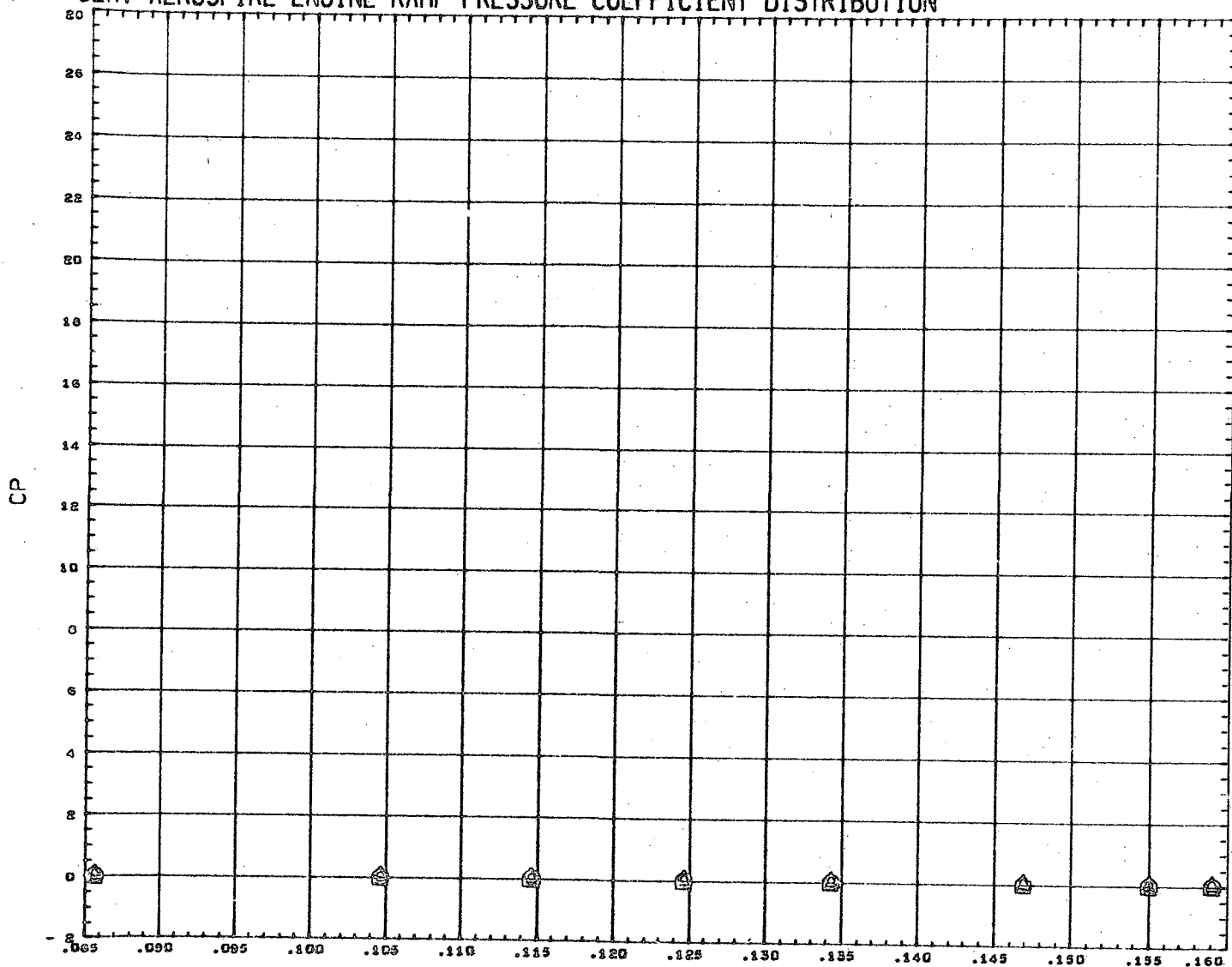
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

DISTRIBUT.FECOE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL Δ THETA 275.620 PRATIO 401.790 MACH 0.123
 315.000

SREF 572.557 SQ.IN.
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 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
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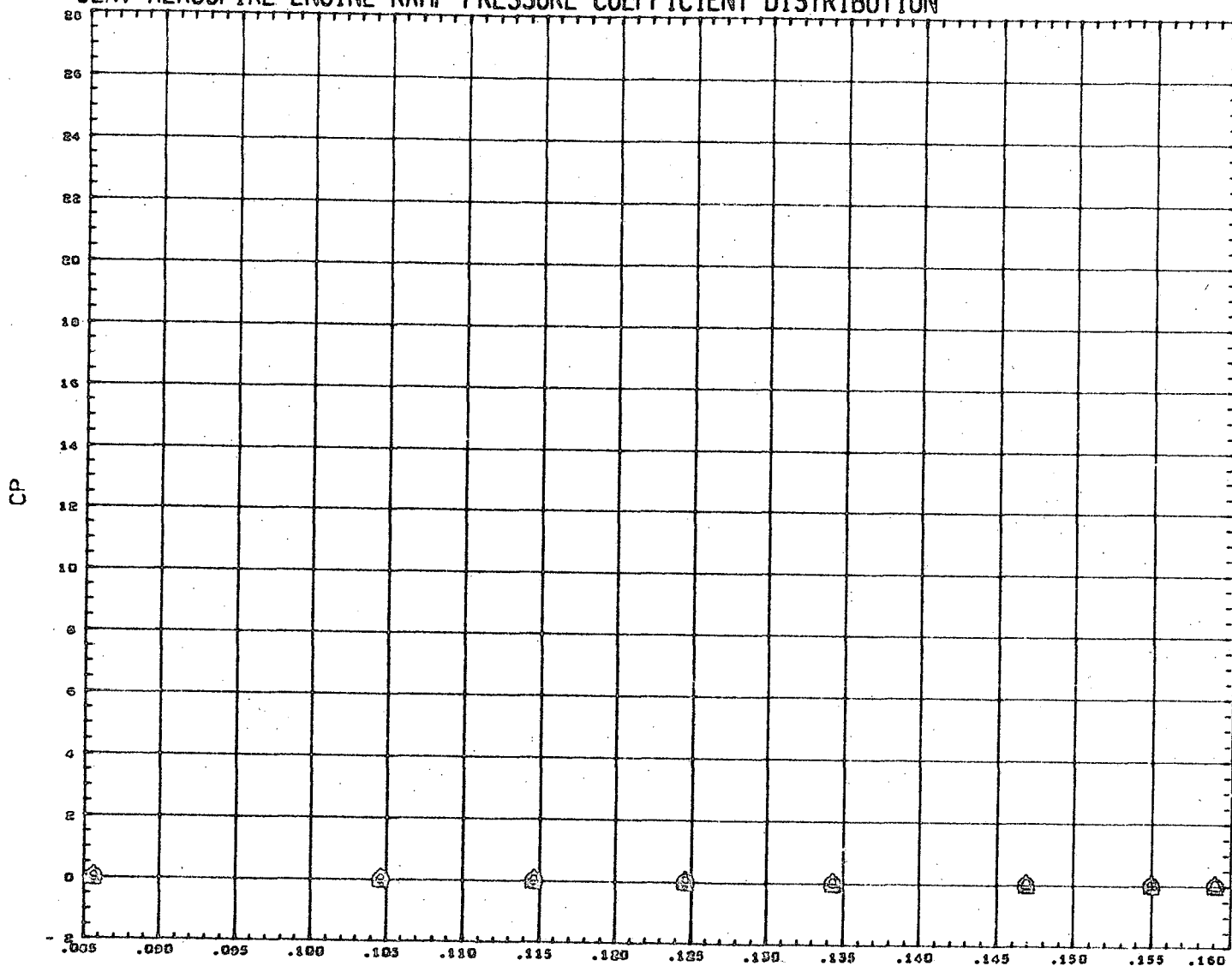
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 PC 404.679 WS/WFC 0.000

DATA0000.F000E CCSD TN-AP-70-405

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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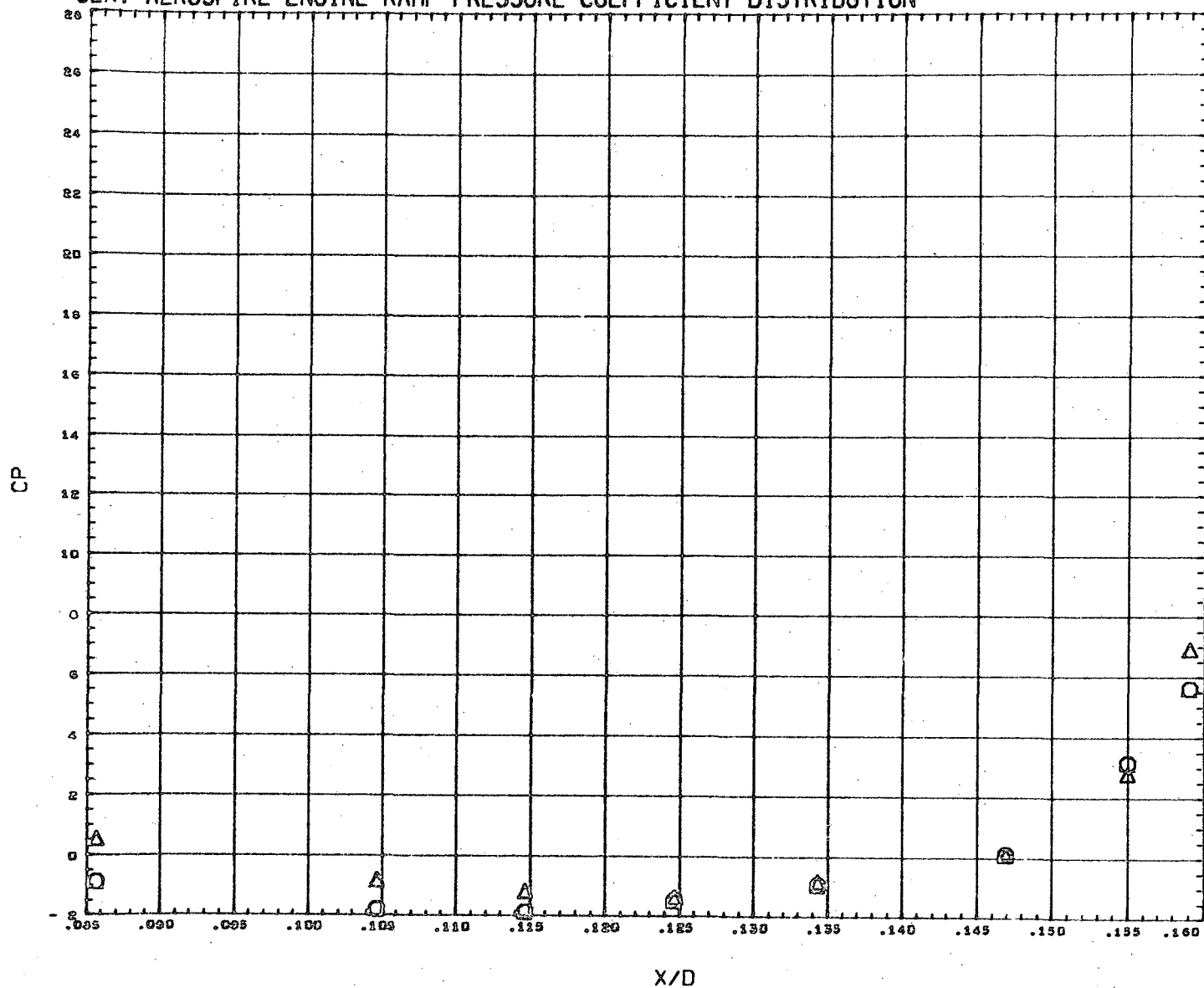
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH						
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△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WFC
				BREF	27.000	INCHES			0.004
				XHRF	0.000	DIAMTR			0.000
				YHRF	0.000	DIAMTR			
				ZHRF	0.000	DIAMTR			

00#BR0058.F003E CCSD TN-AP-70-449

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



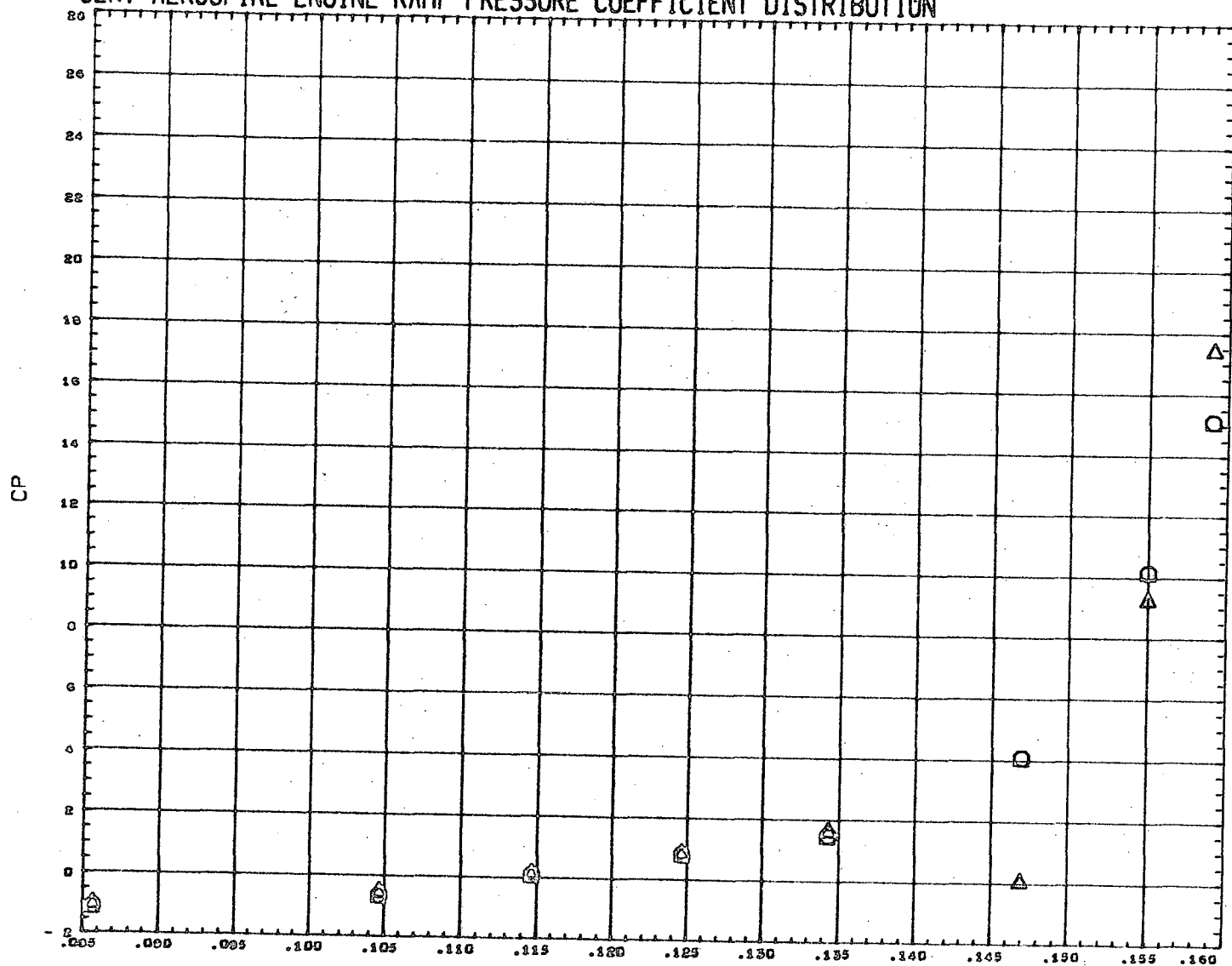
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 O 275.620 201.700 0.600
 Δ 313.000

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 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

0540R0006.F000E CCSD TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 401.290 0.598
 Δ 315.000

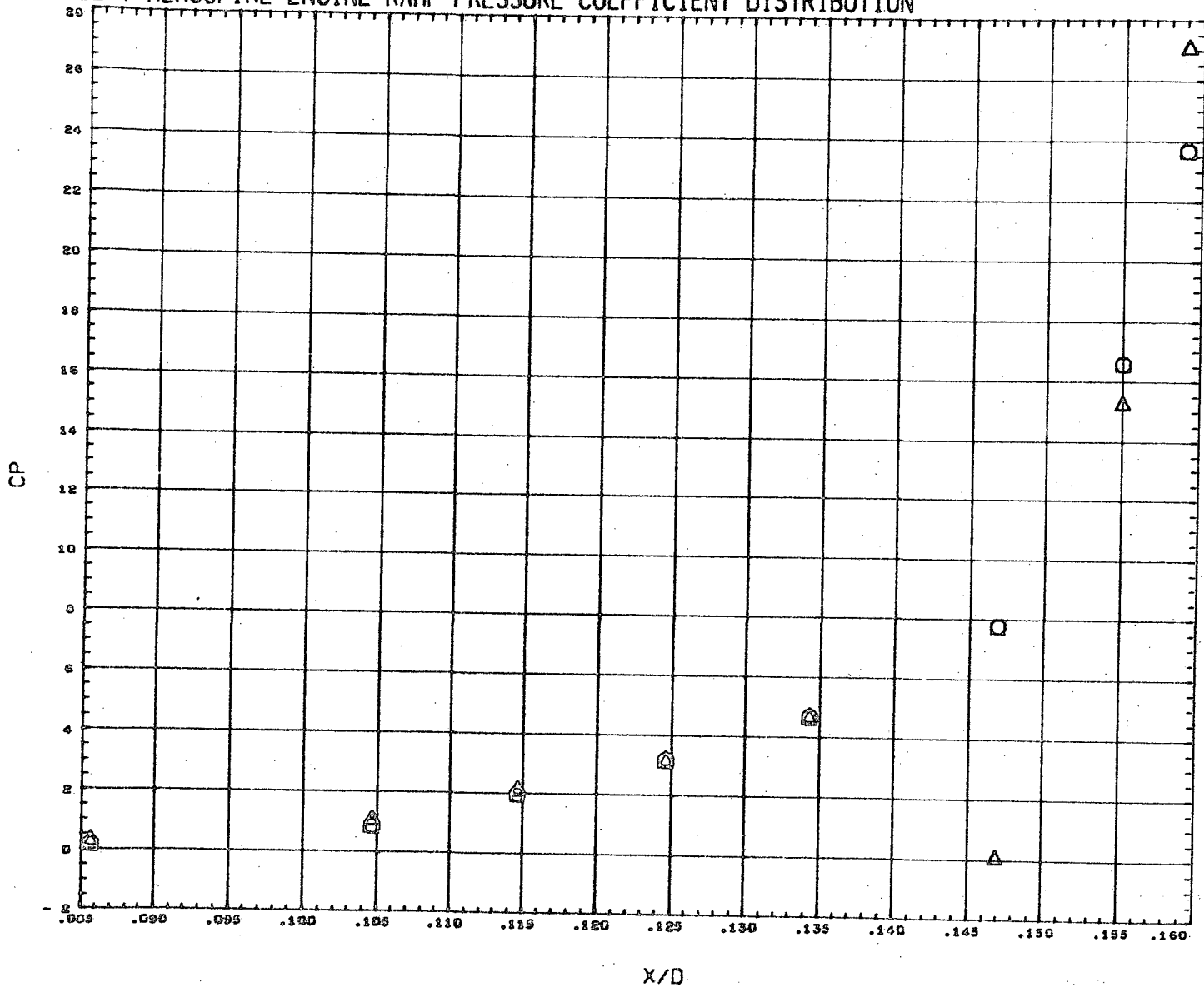
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 YHRF 0.000 DIAMTR
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E/DOOR
 PC

PARAMETRIC VALUES
 0.000 ALPHA 0.004
 404.679 WS/WFC 0.000

00000000.FCLSE CCSD TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 275.620 578.663 0.598
 315.000

SREF 572.557 58. IN.
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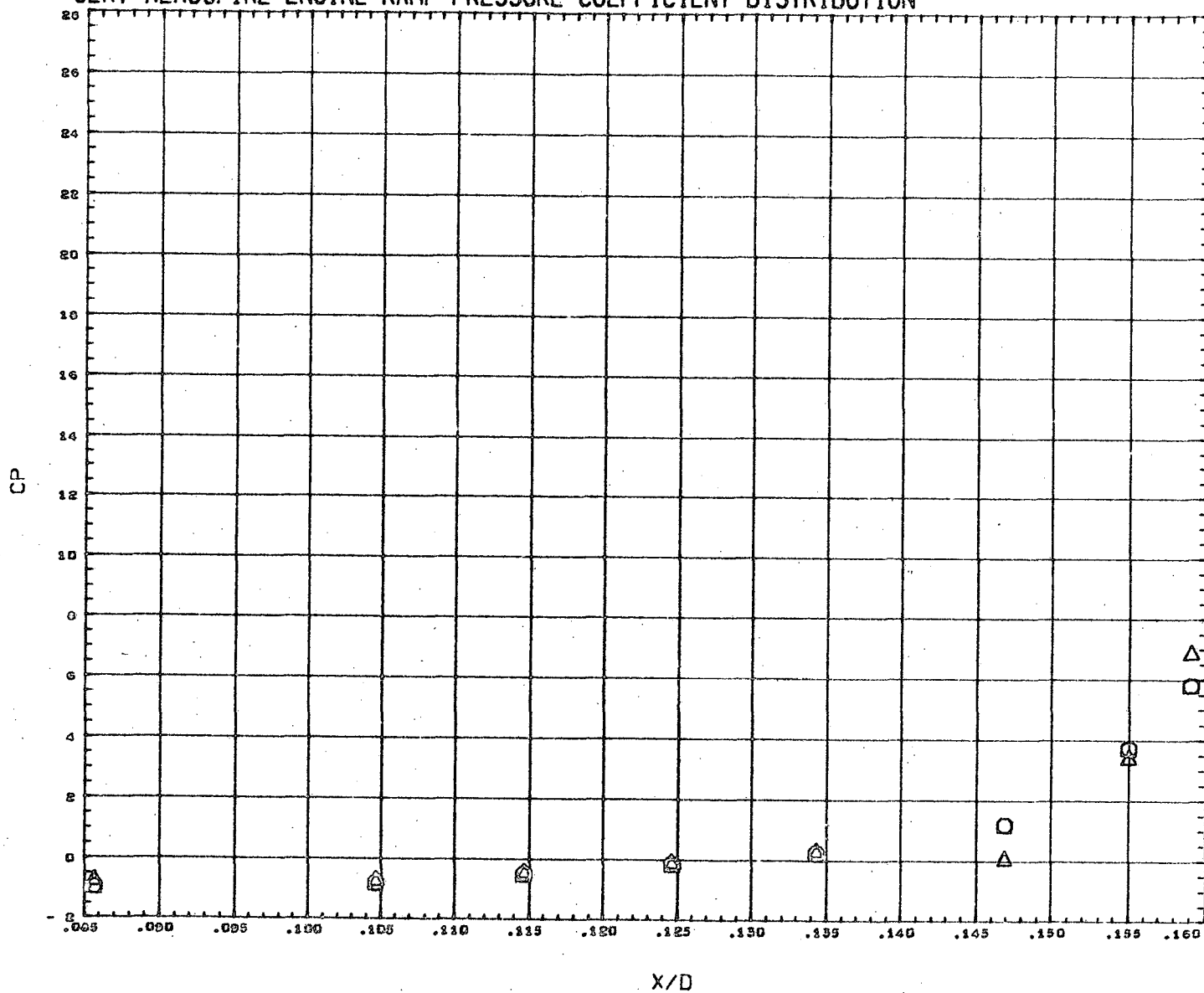
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 PC 404.679 WS/WFC 0.000

887058363.F600E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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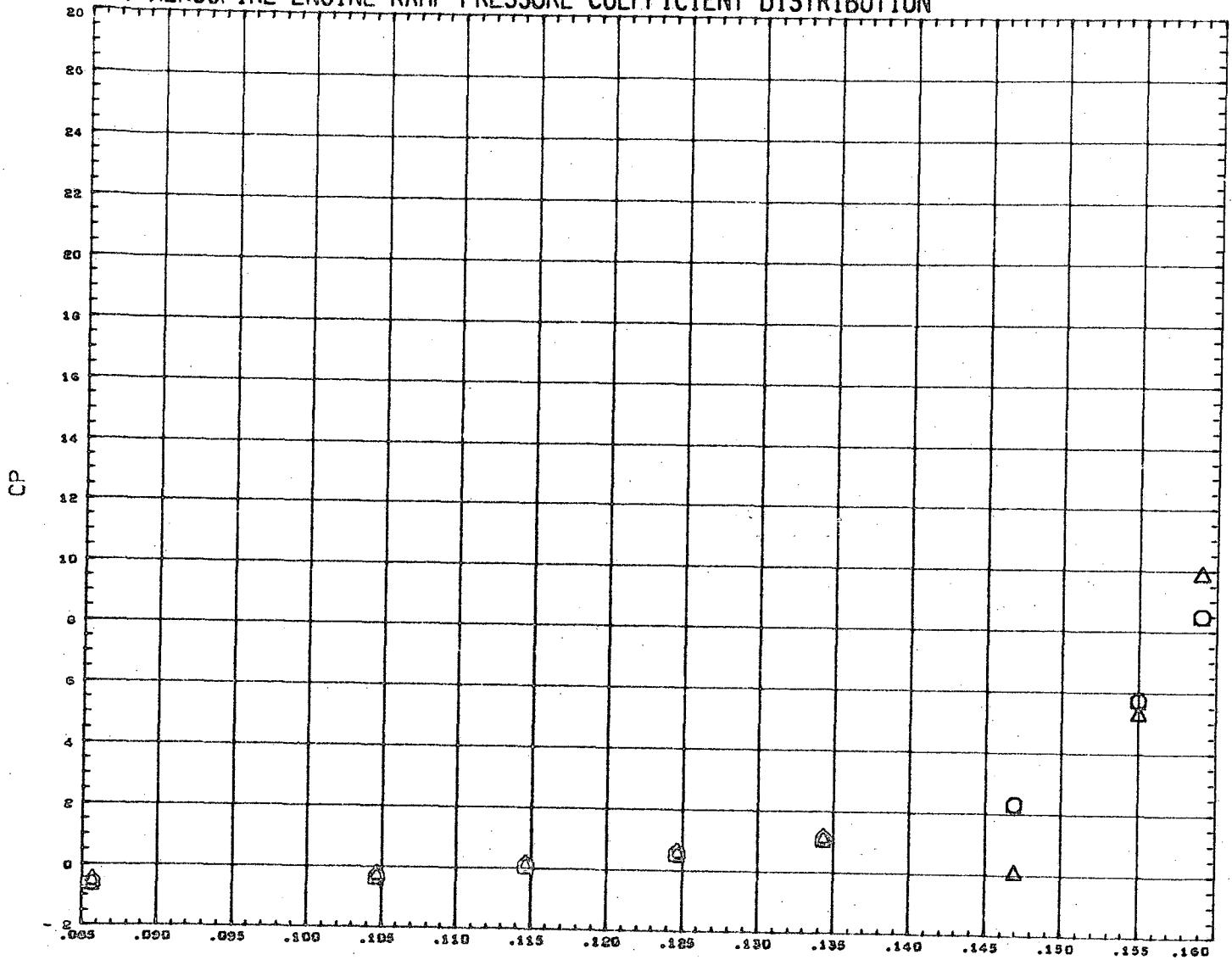
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES			
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△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000	
				BREF	27.000	INCHES					
				XHRP	0.000	DIANTR					
				YHRP	0.000	DIANTR					
				ZHRP	0.000	DIANTR					

08708000.F000E C000 TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 400.007 0.798
 A 315.000

SREF 572.557 SQ.IN.
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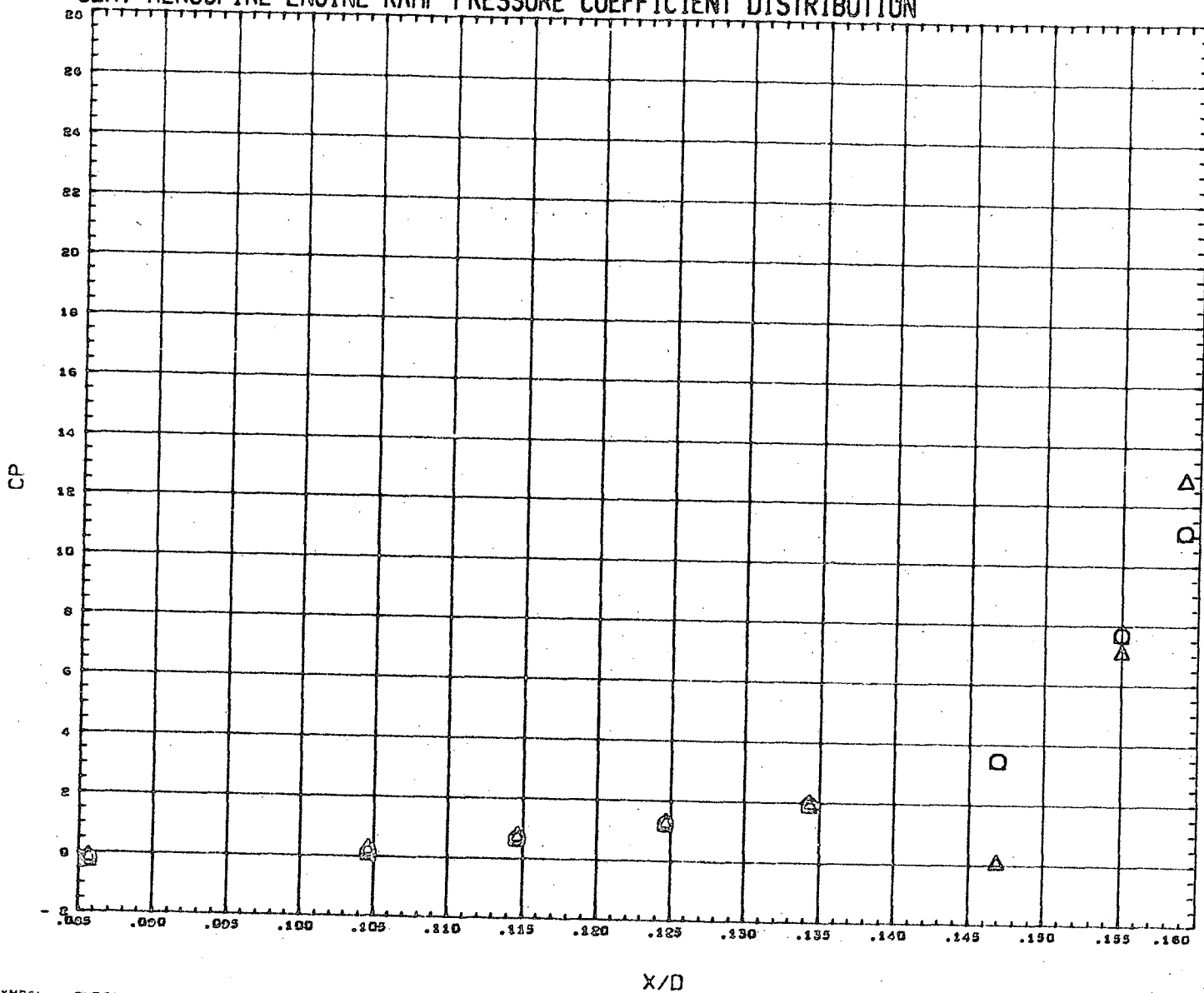
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 PC 404.679 WS/WFC 0.000

007089868.FCCSE CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 499.307 0.799
 △ 315.000

SREF 572.557 SQ.IN.
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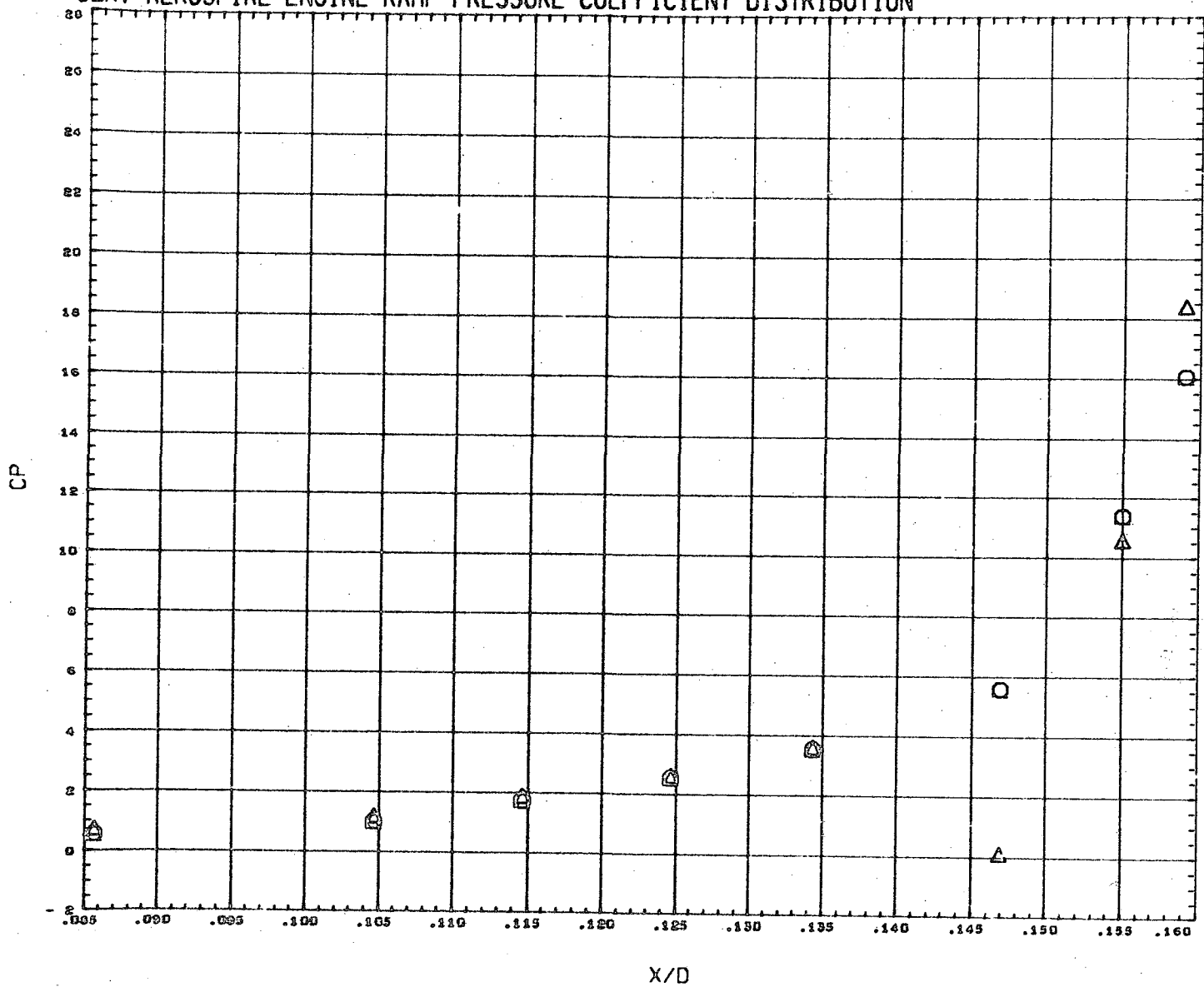
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 PC 404.679 WS/WFC 0.000

00708068.F002E CCOD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 688.852 0.803
 Δ 315.000

SREF 572.557 SR.IN.
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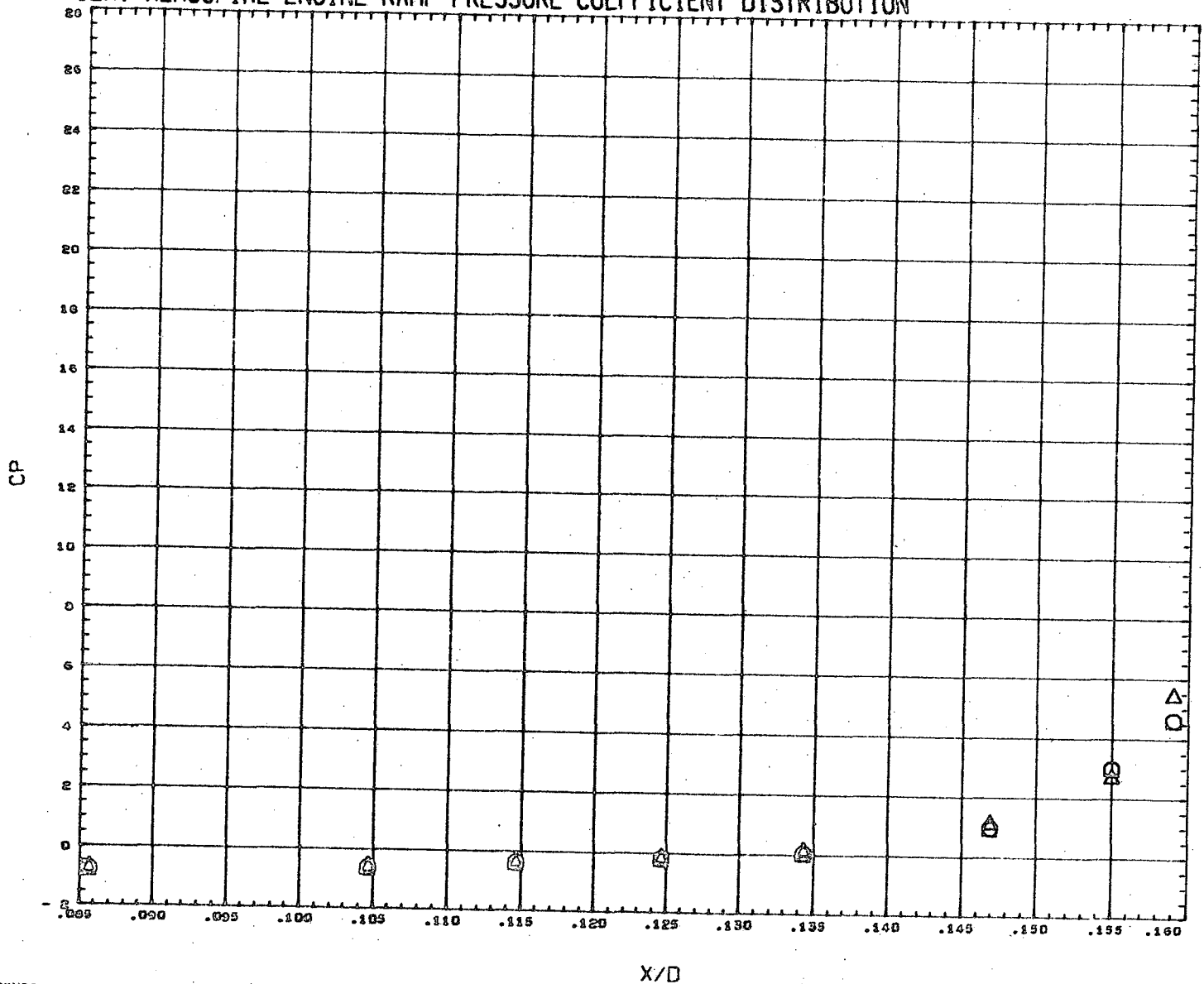
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00708086.FECDE CCOD TH-AP-76-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 306.157 0.905
 Δ 315.000

SREF 572.557 SQ.IN.
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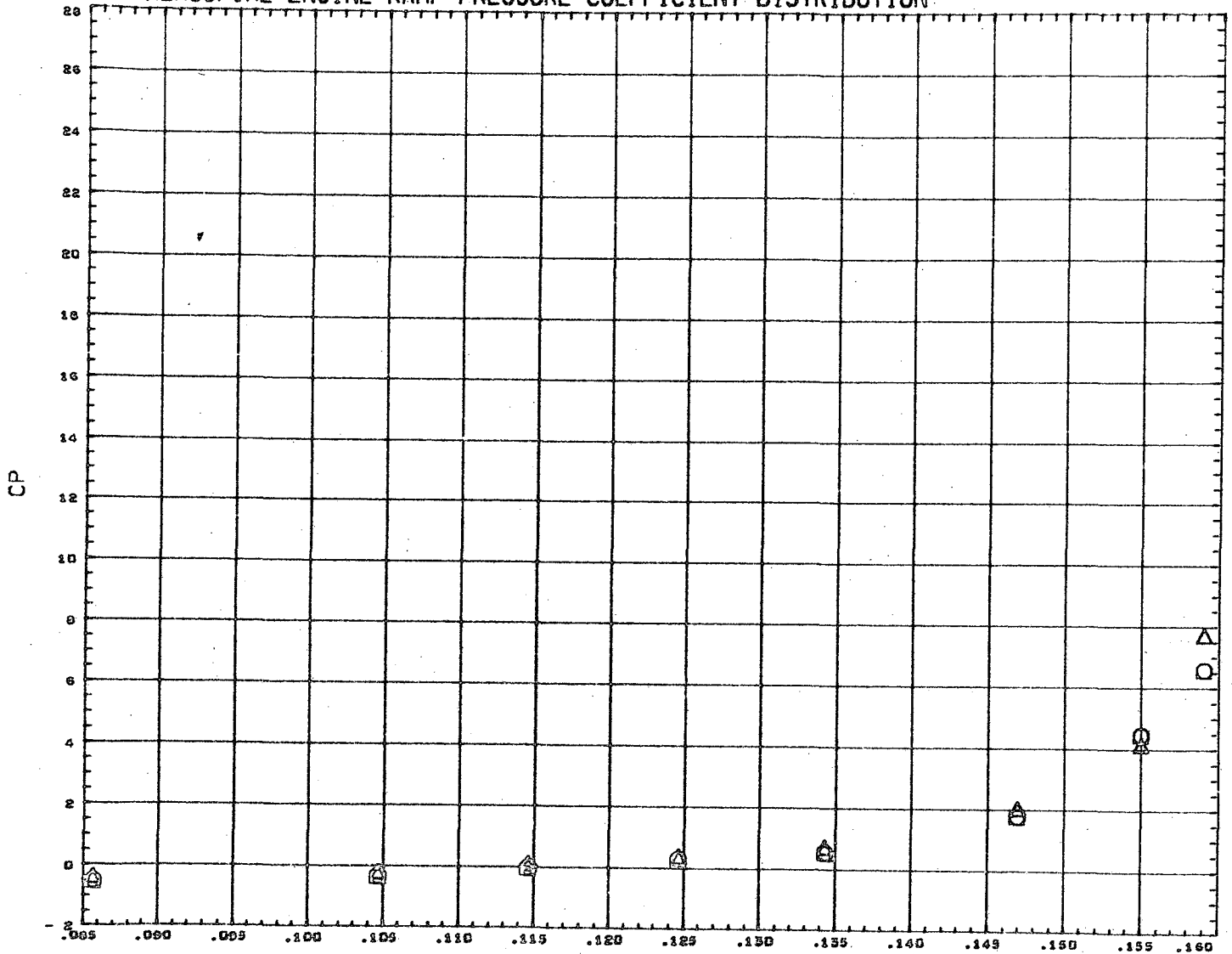
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 PC 404.679 WS/WFC 0.000

DS4BR0008.FECSE CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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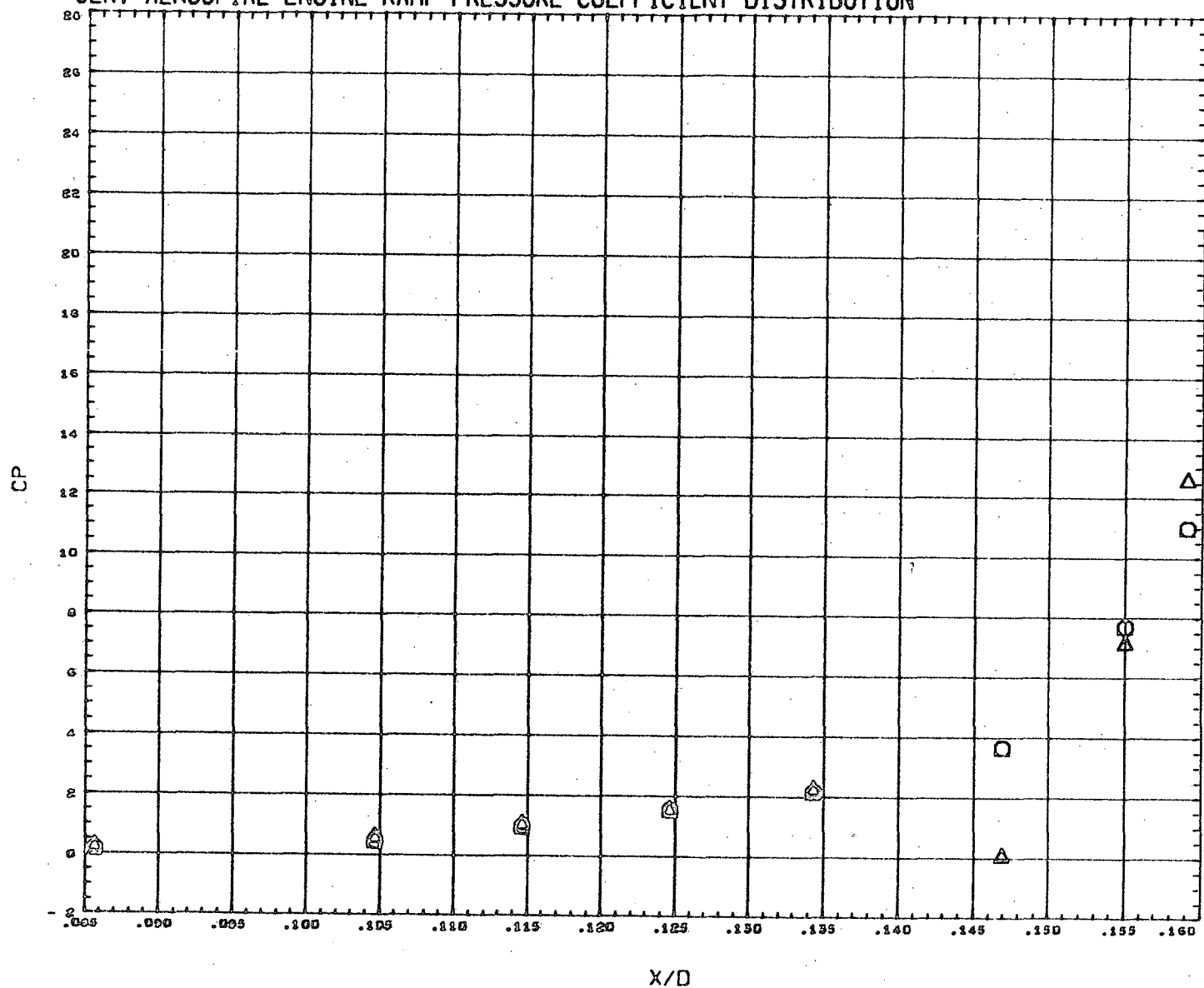
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



				X/D						
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△	315.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DISTRIBUTION.F002E CC00 TM-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



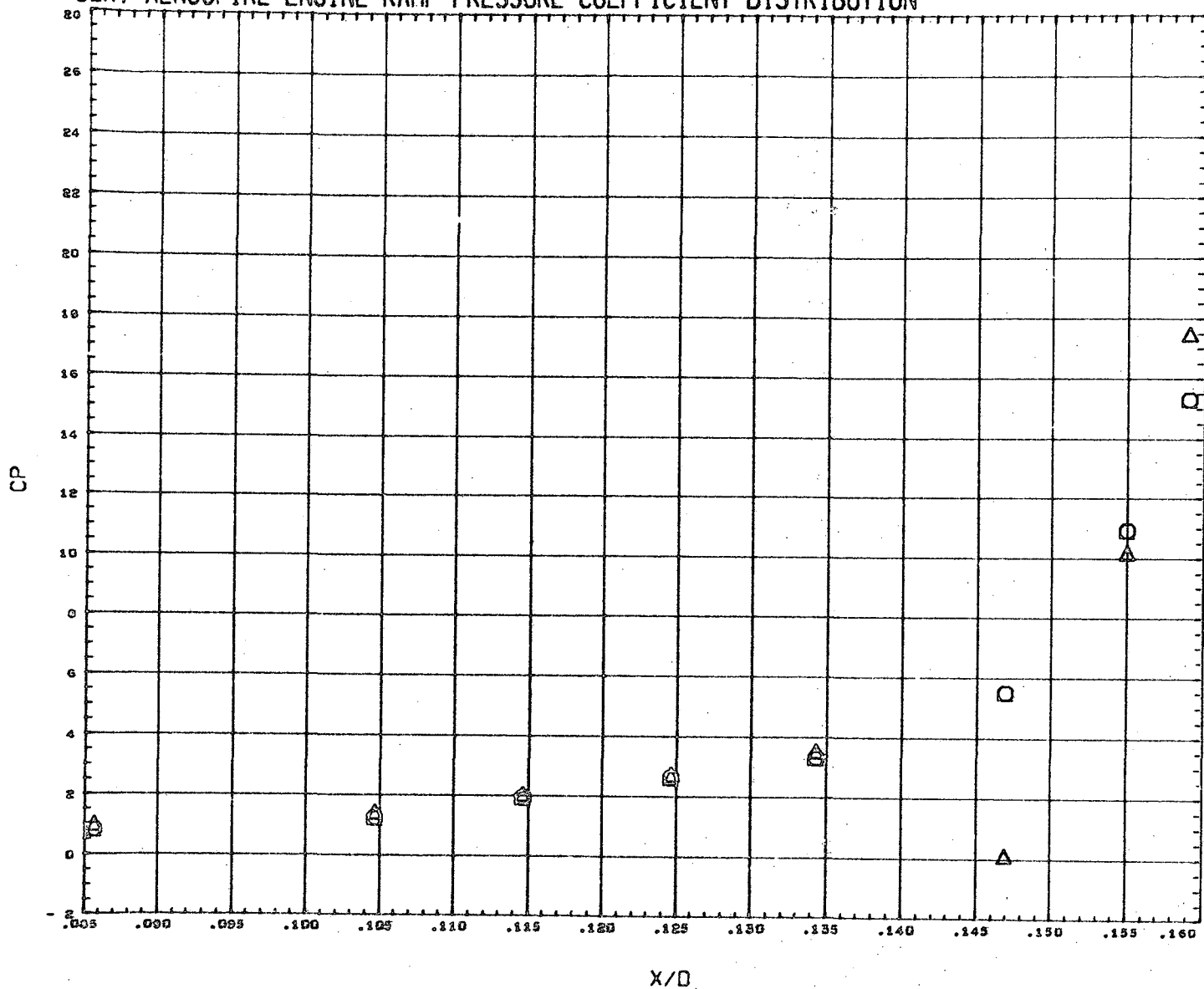
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				BREF	27.000	INCHES				
				XMRP	0.000	DIAHTR				
				YMRP	0.000	DIAHTR				
				ZMRP	0.000	DIAHTR				

087880065.FEELGE CC80 TH-AP-70-049

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 ○ 275.620 812.557 0.902
 △ 315.000

SREF 572.557 SQ-IN.
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 BREF 27.000 INCHES
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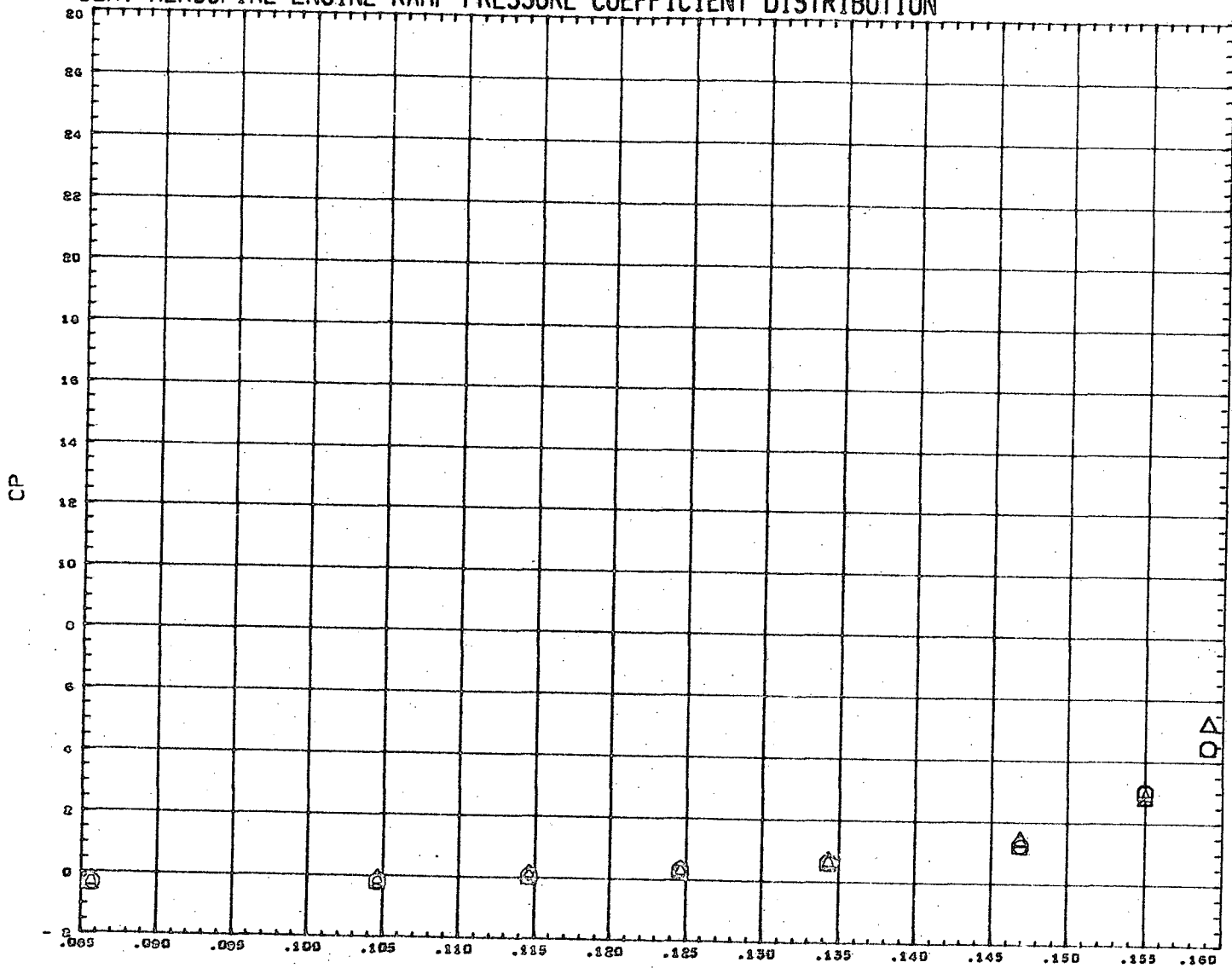
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 PC 404.679 WS/WFC 0.000

DATA SOURCE: FECS CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL
 O
 Δ

THEYA	FRATIO	MACH
275.620	395.993	1.100
315.000		

X/D

SREF	572.557	58. IN.
LREF	27.000	INCHES
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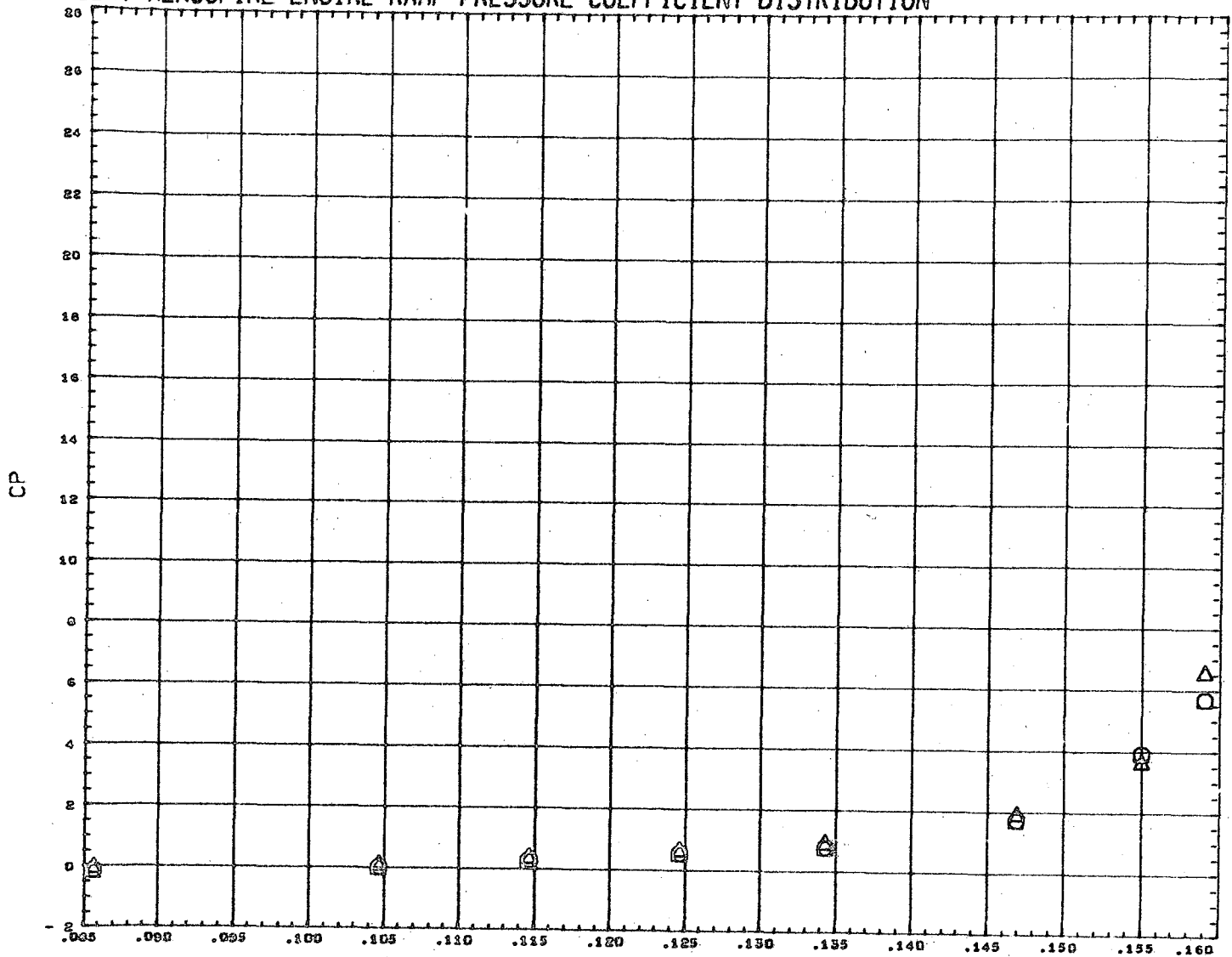
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PC	404.679	WS/WPC 0.000

08580068.FE02E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 491.380 1.101
 △ 315.000

SREF 572.557 SQ.IN.
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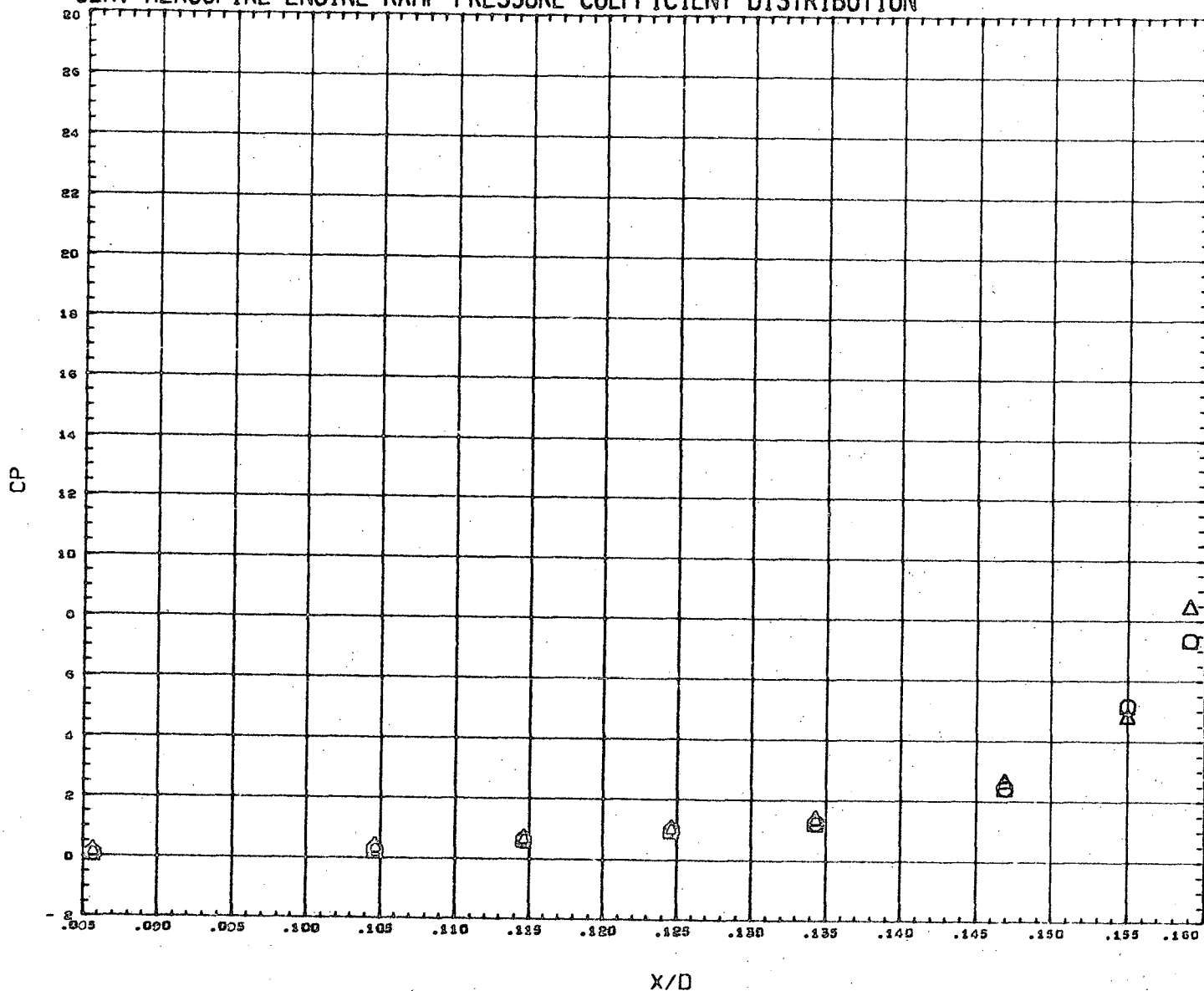
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 PC 404.679 WS/WFC 0.000


057444000.FE03E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL:  THETA 275.620 PRATIO 599.127 MACH 1.089
 315.000

SREF 572.357 S8. IN.
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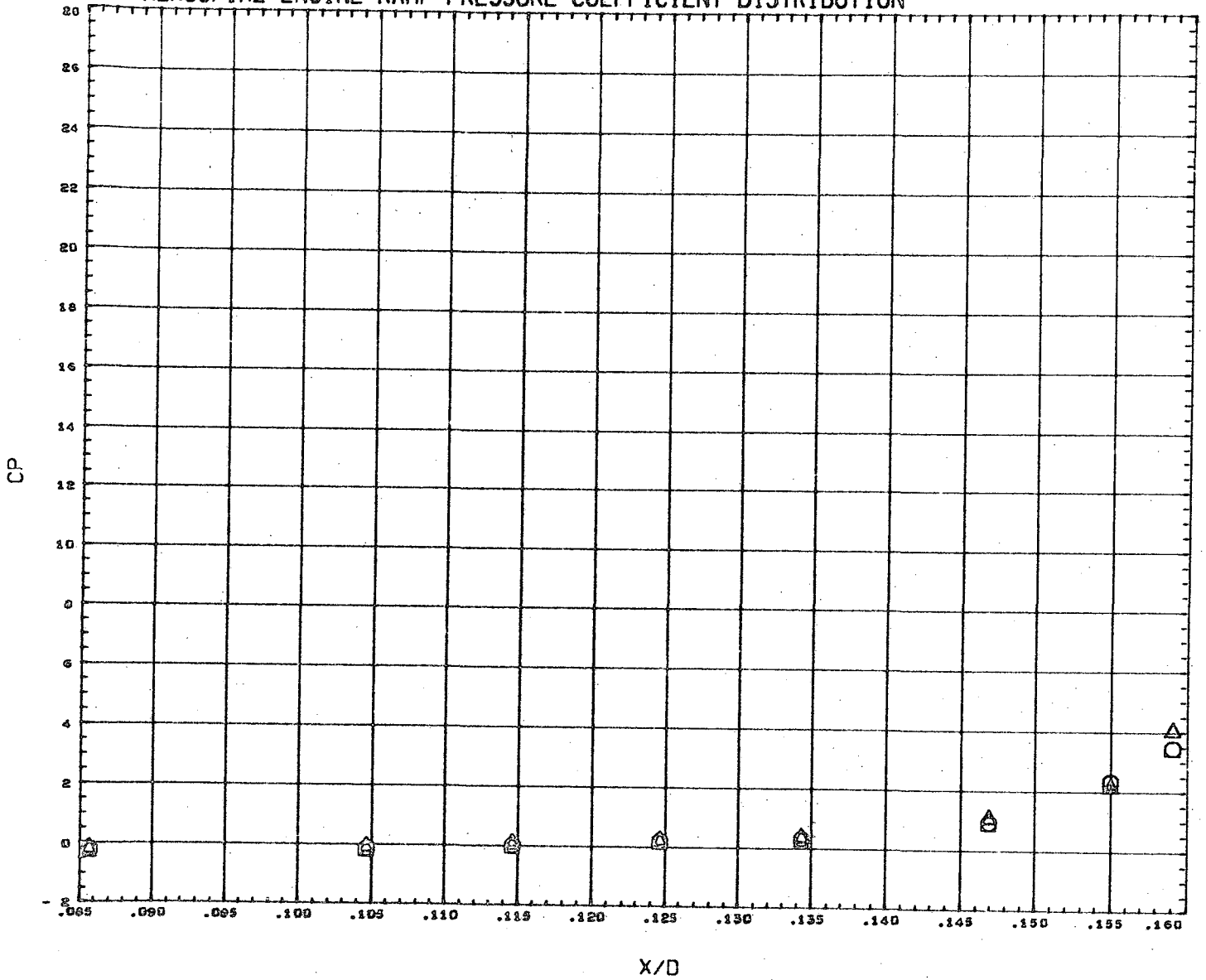
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 PC 404.679 WS/WFC 0.000

0078R050.FSC2E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL Δ THETA 275.620 PRATIO 406.123 MACH 1.254
 315.000

SREF 572.557 SQ. IN.
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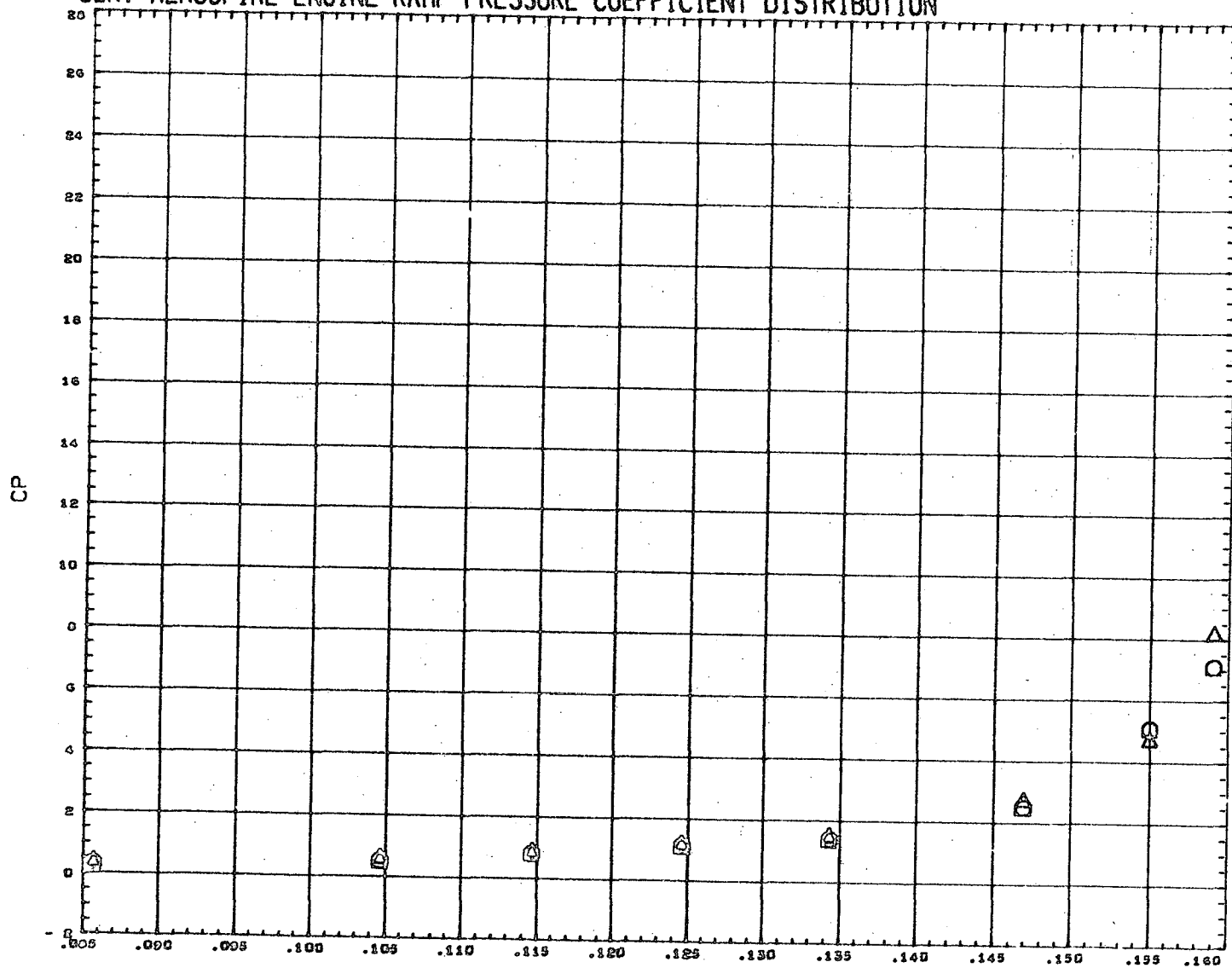
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 PC 404.679 WS/WFC 0.000


00000000.FE00E CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 275.620 751.932 1.261
 315.000

SREF 572.557 58.1N.
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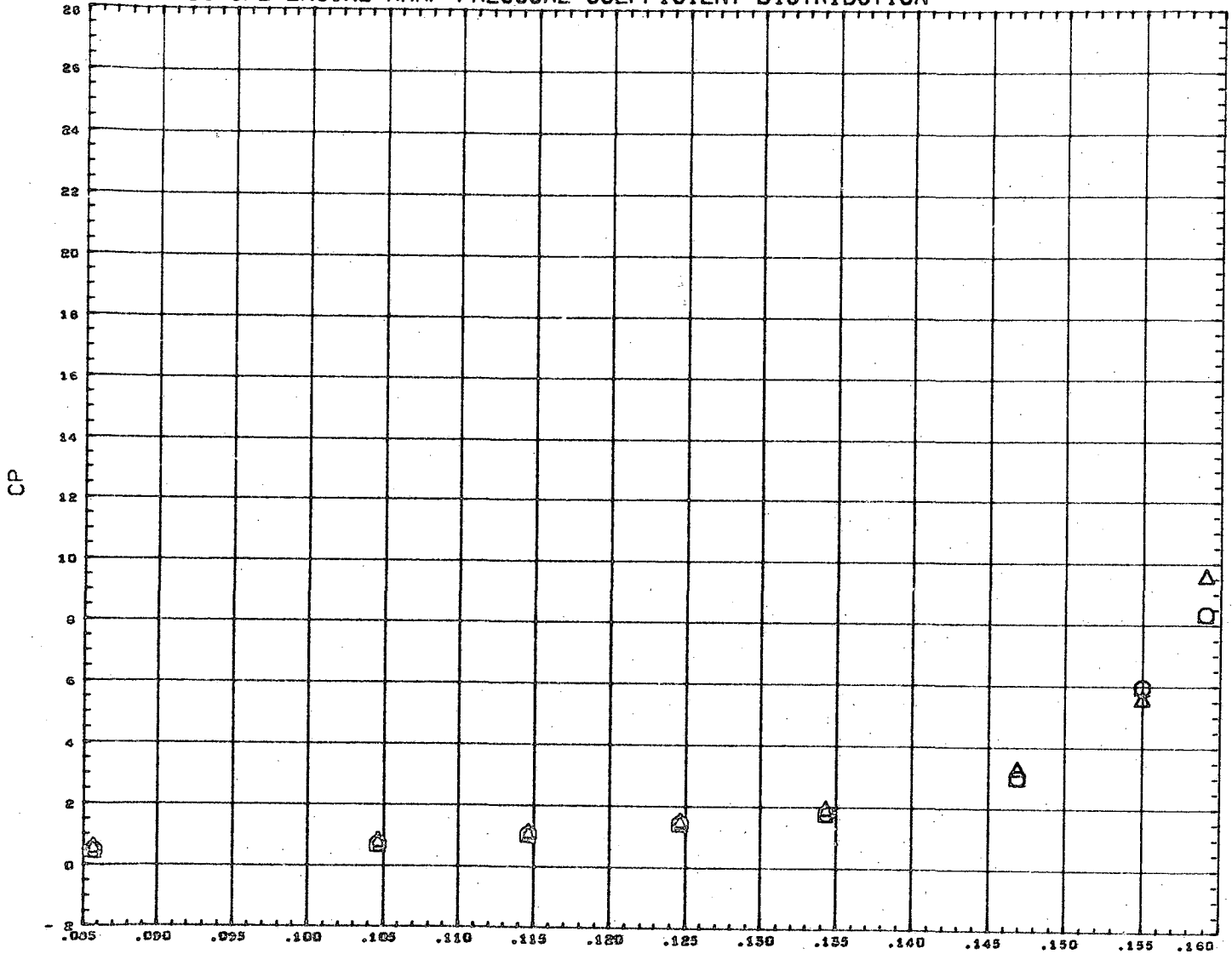
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 PC 404.679 WS/WFC 0.000

00100000.F000E CCSD TU-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

PAGE 278

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



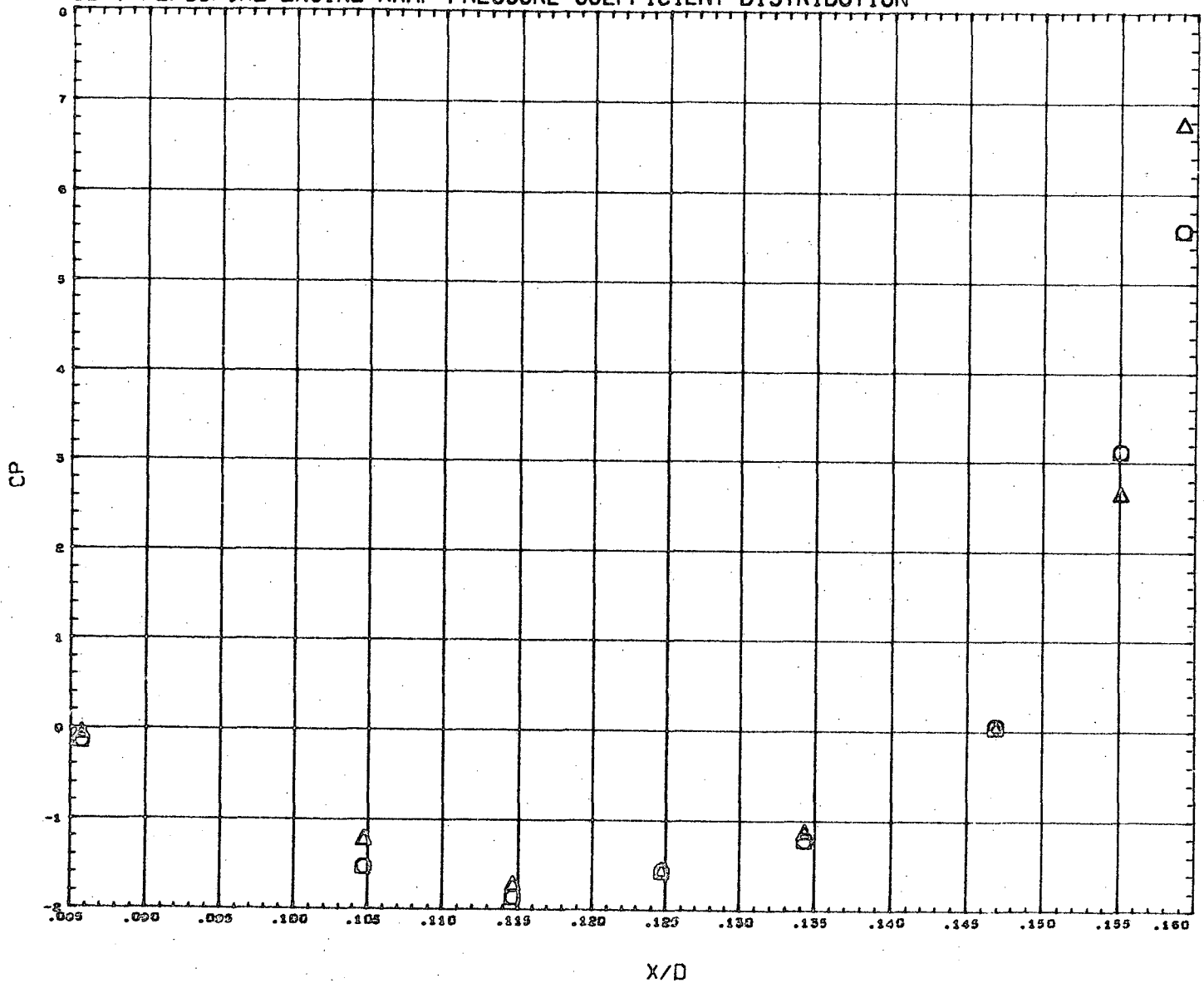
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PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

DSRBRB005.F000E CC00 TN-AP-70-449

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL THETA PRATIO MACH
 O 275.620 202.063 0.599
 Δ 315.000

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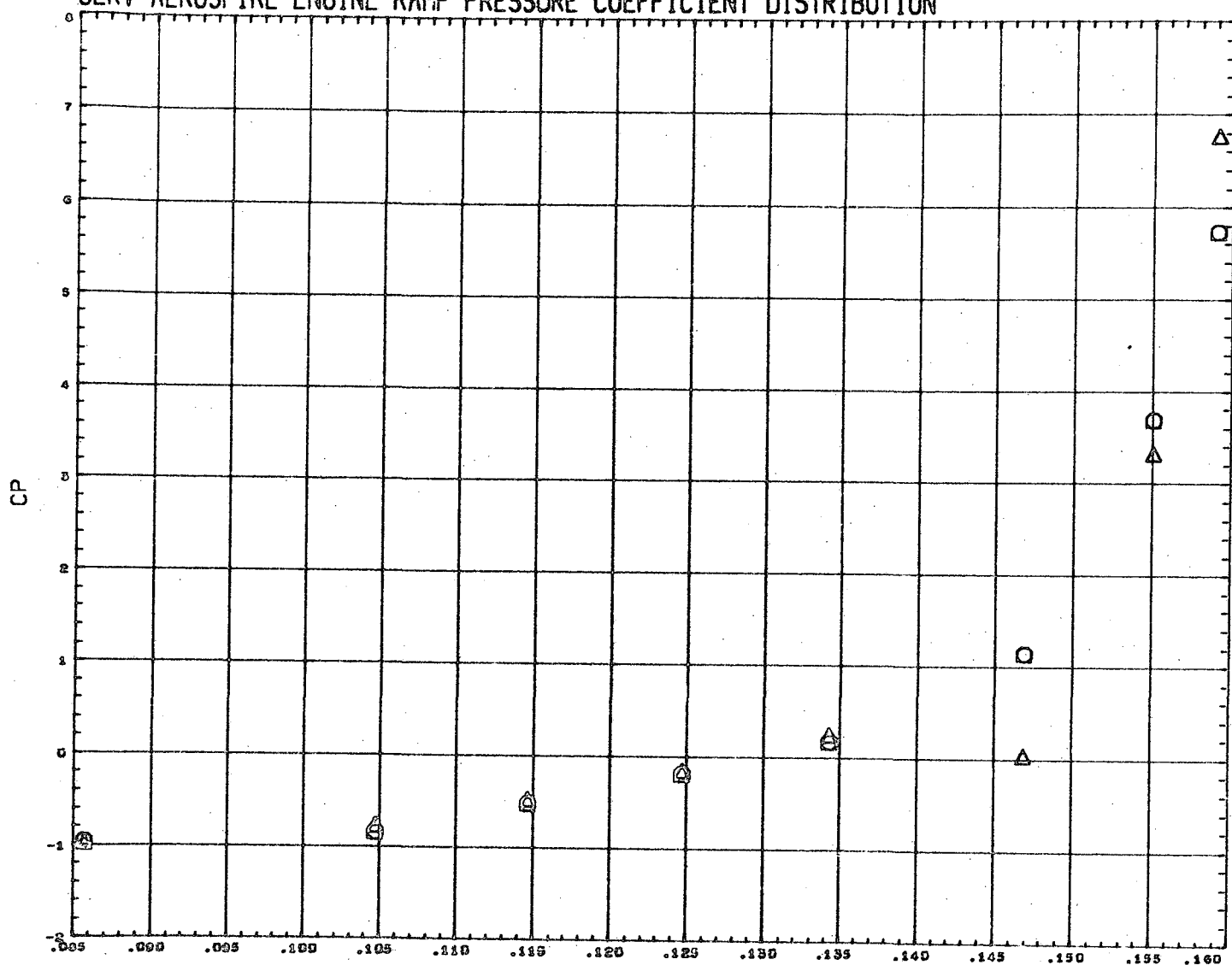
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 PC 402.996 WS/WFC 0.000

00000000.F000E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL THETA FRATIO MACH
 O 275.620 299.500 0.001
 Δ 315.000

SREF 572.557 SQ. IN.
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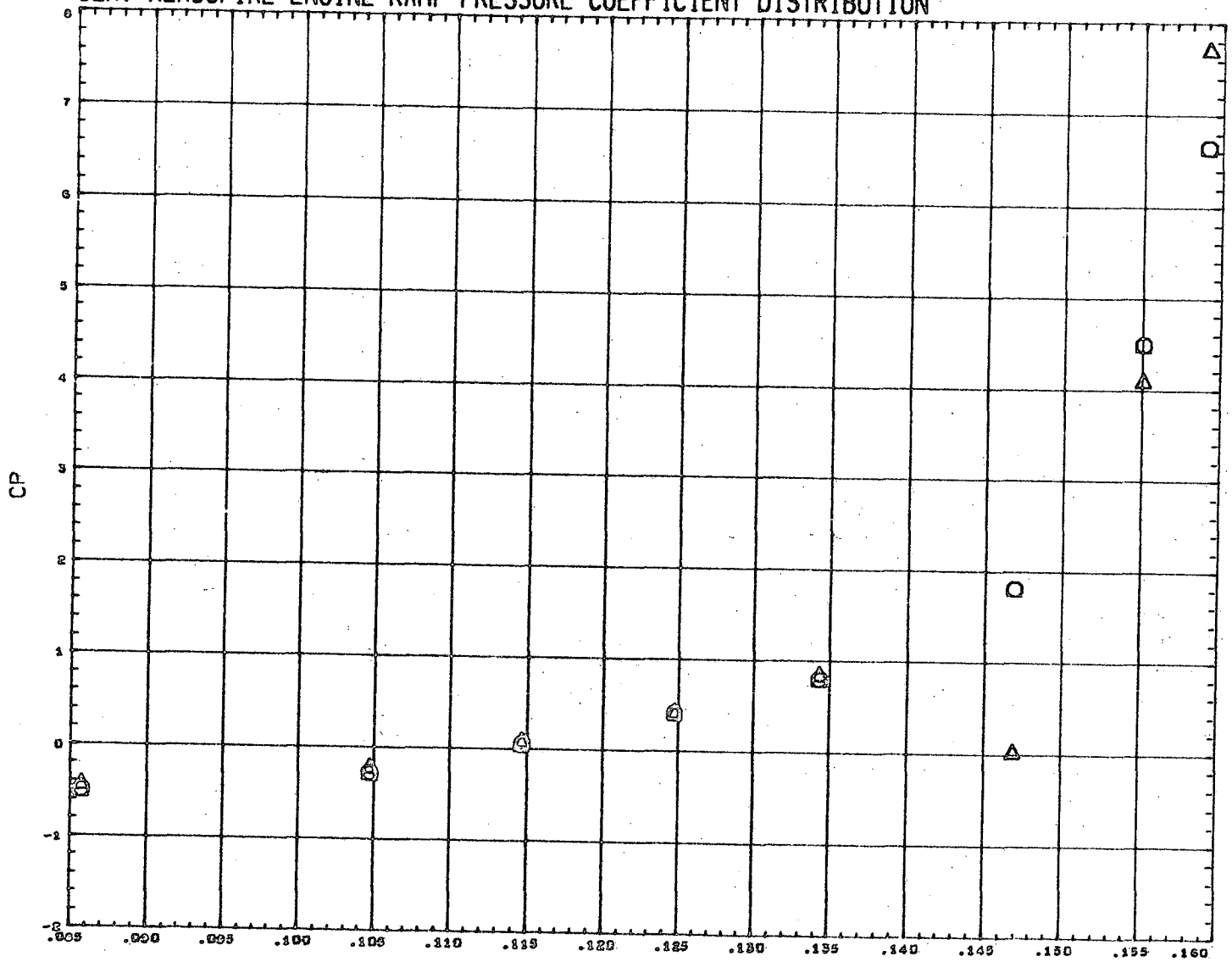
PARAMETRIC VALUES

00708886.FIG01 CC89 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 398.407 0.899
 △ 315.000

SREF 572.557 SQ. IN.
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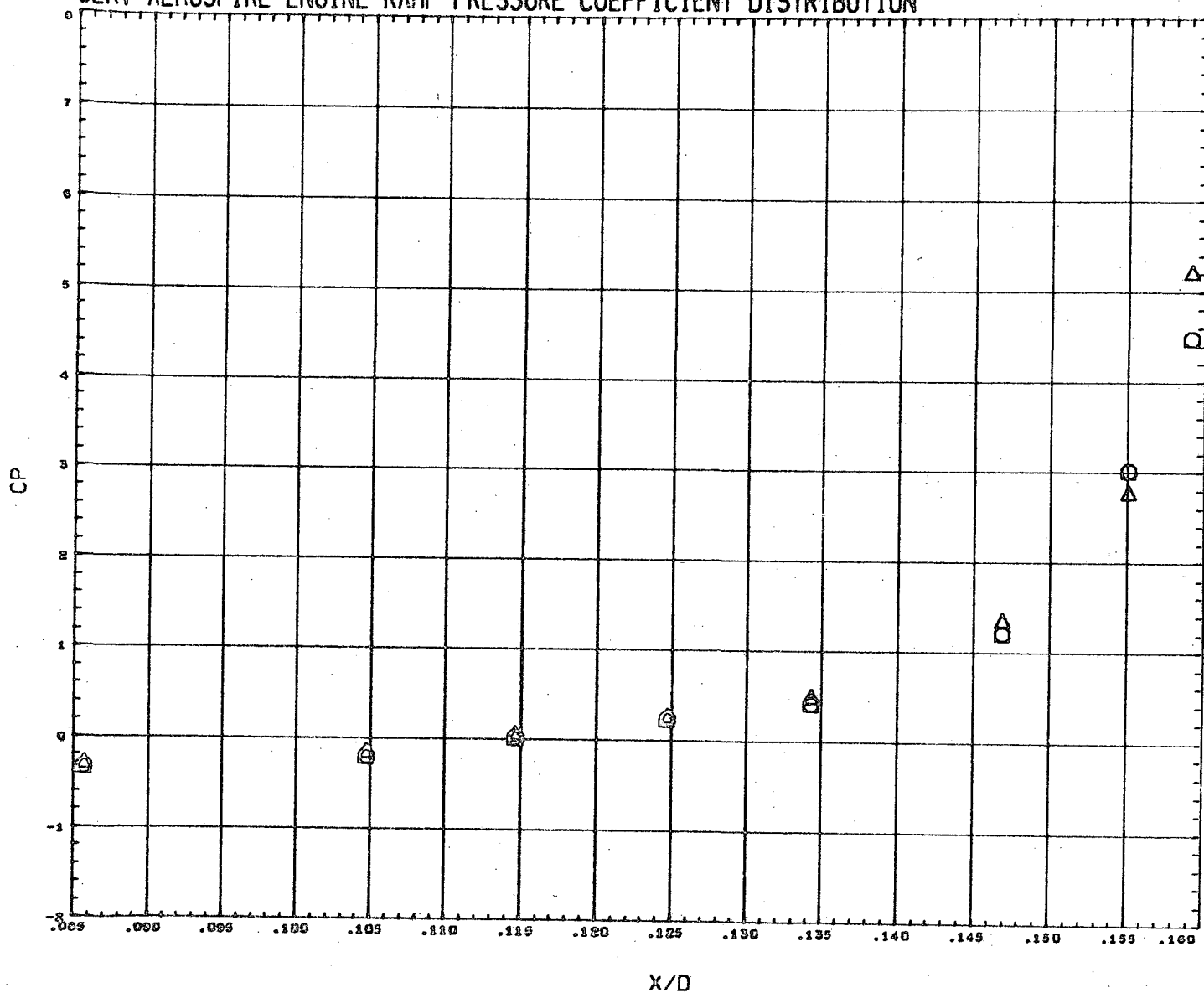
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 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

DSGUR0060.FE02E CCSD TM-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIC MACH
 O 275.620 402.407 1.100
 Δ 315.000

SREF 572.557 SQ. IN.
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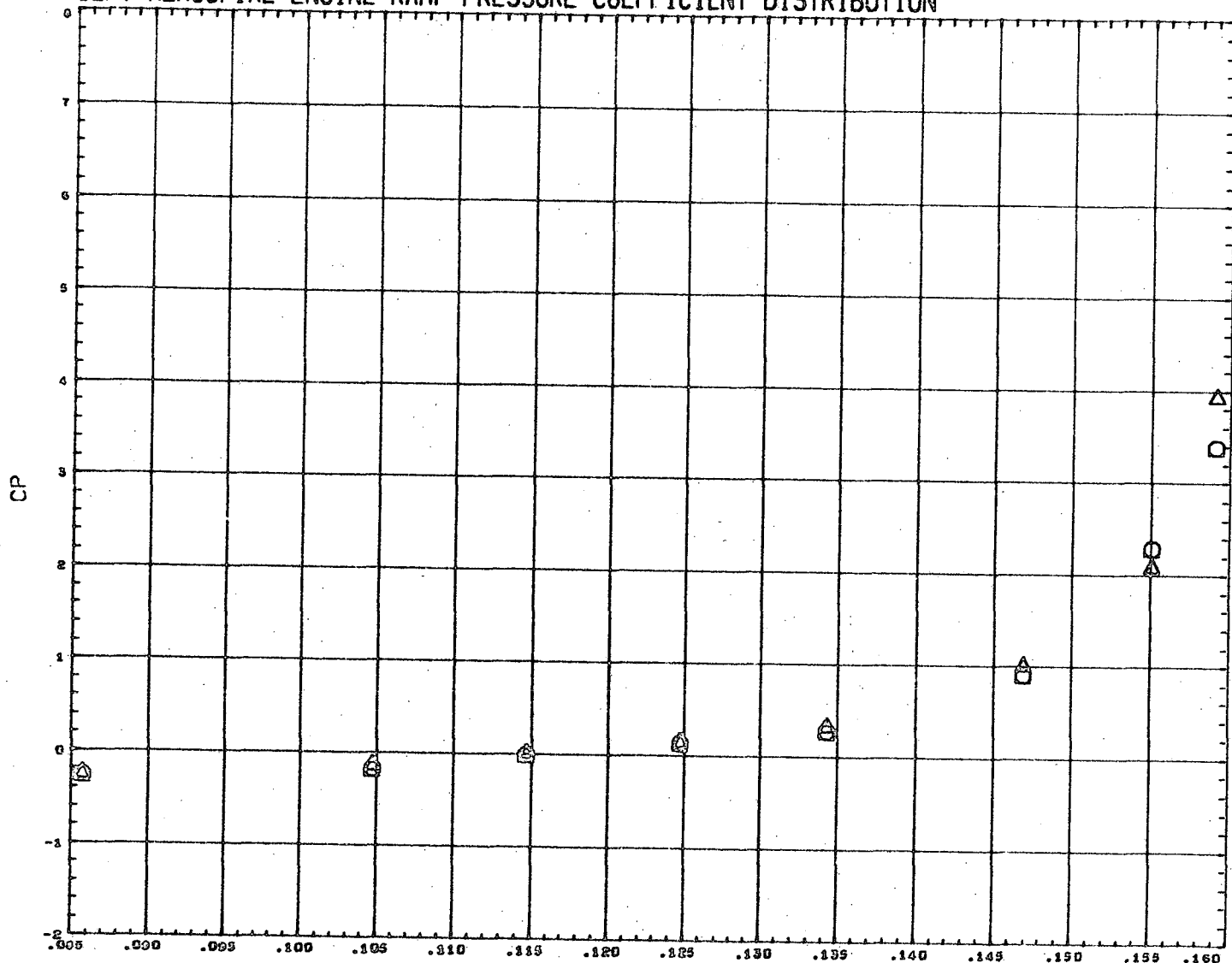
PARAMETRIC VALUES
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 PC 402.996 WS/WPC 0.000

DBF6R0063.F608E CC00 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 275.620 400.737 1.253
 Δ 315.000

SREF 572.557 58. IN.
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E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

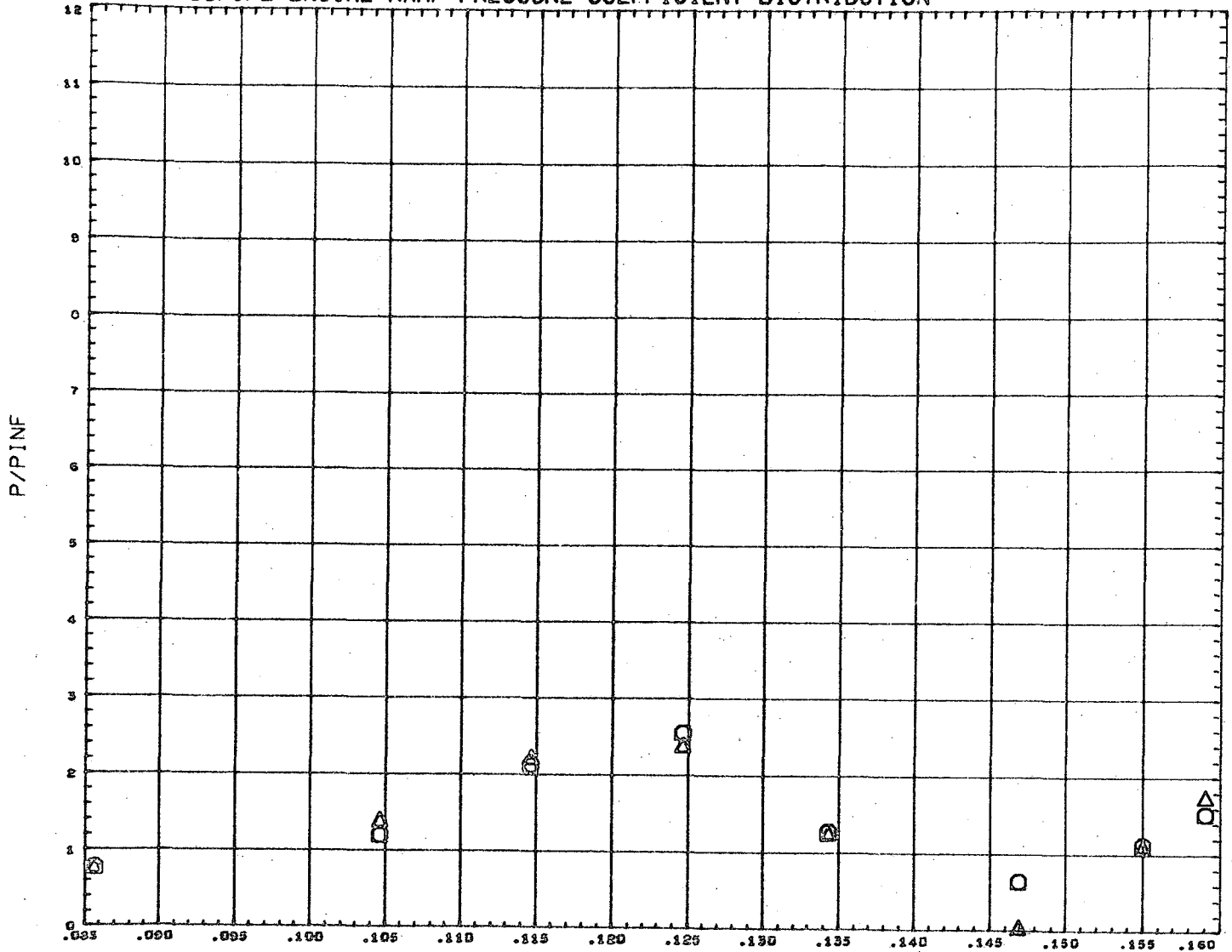
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08040308.F002E CCSD TM-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL THETA PRATIO MACH
 O 275.620 125.800 0.086
 Δ 315.000

SREF 572.557 50. IN.
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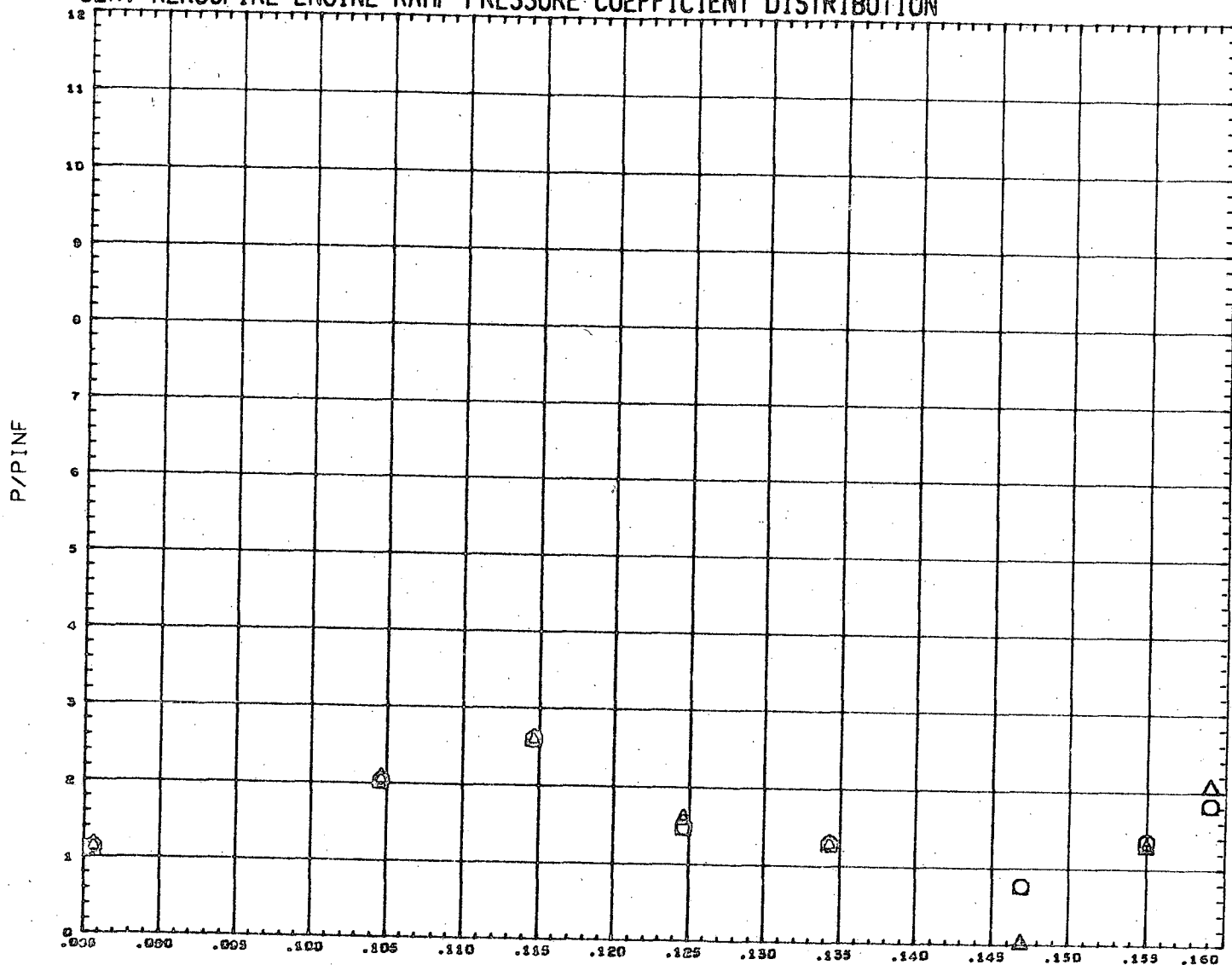
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 PC 404.679 WS/WFC 0.000

BETTERB068.F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL



INETA

275.620
315.000

PRATIO

151.003

MACH

0.099

SREF

572.557

50. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAMTR

YMRP

0.000

DIAMTR

ZMRP

0.000

DIAMTR

E/DOOR

PARAMETRIC VALUES

0.000 ALPHA 0.004

PC

404.679

WS/WFC

0.000

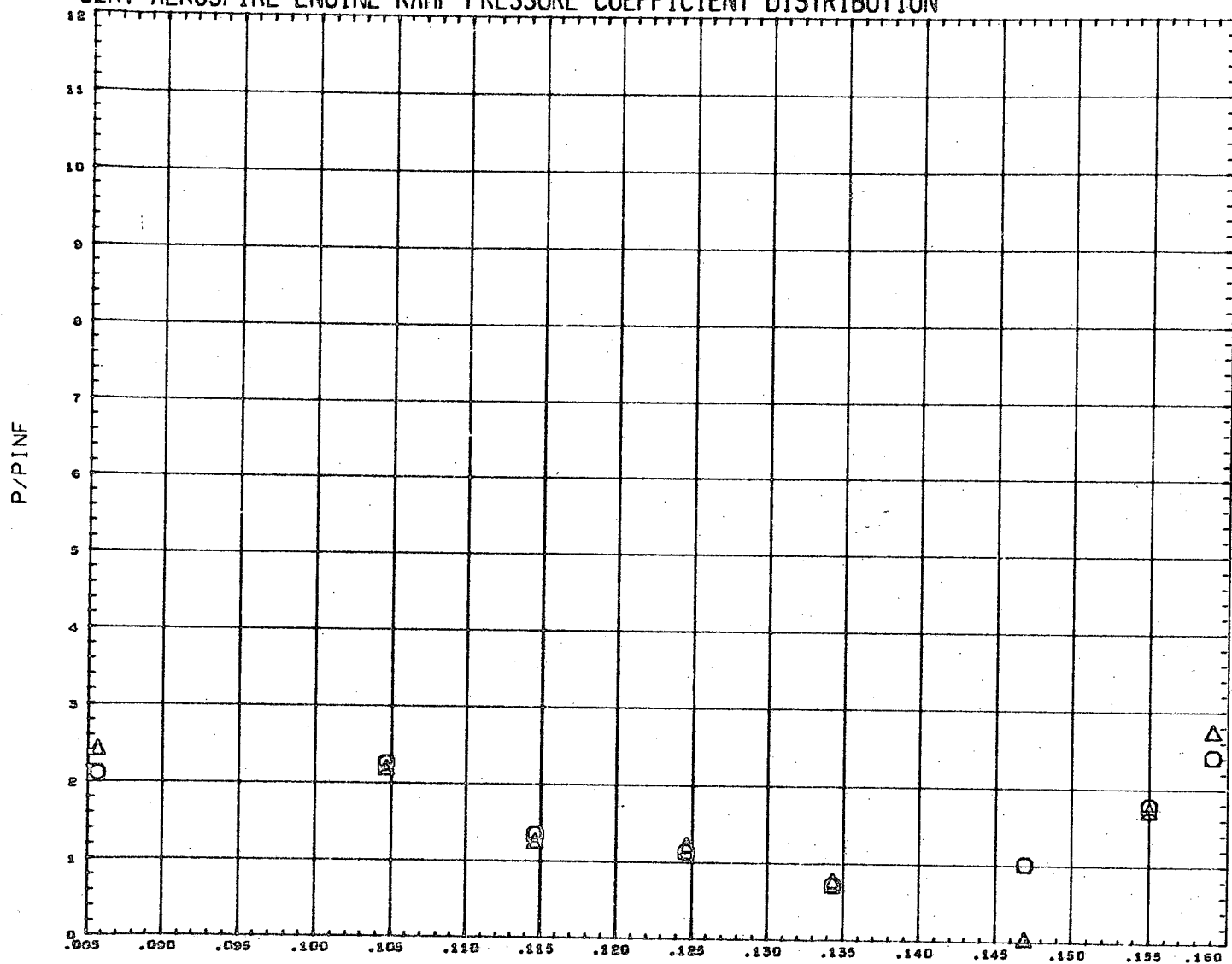
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CC00 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 200.173 0.086
 Δ 315.000

SREF 572.557 50. IN.
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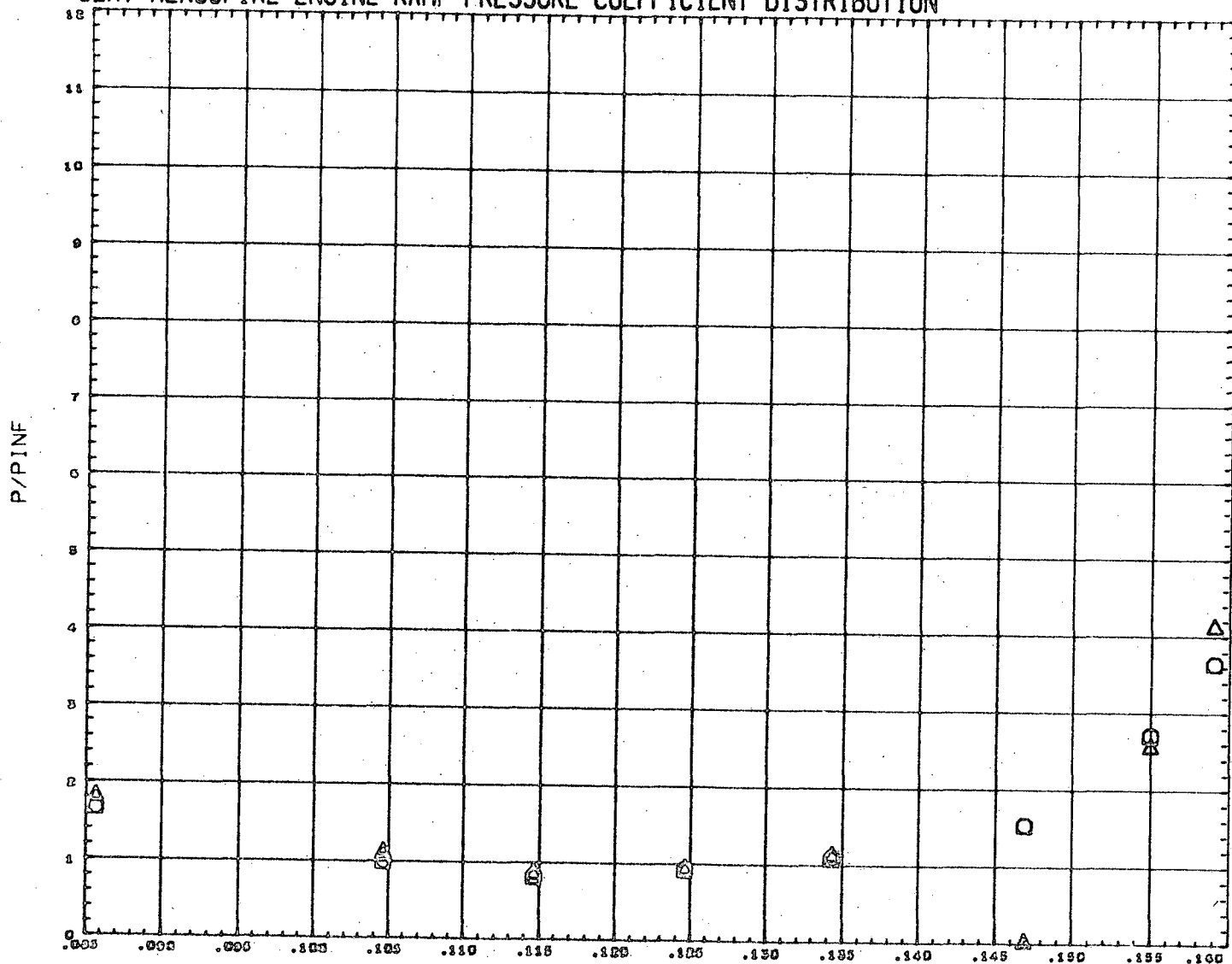
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

DATA SOURCE: FC/3E CCSD TN-AP-7D-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



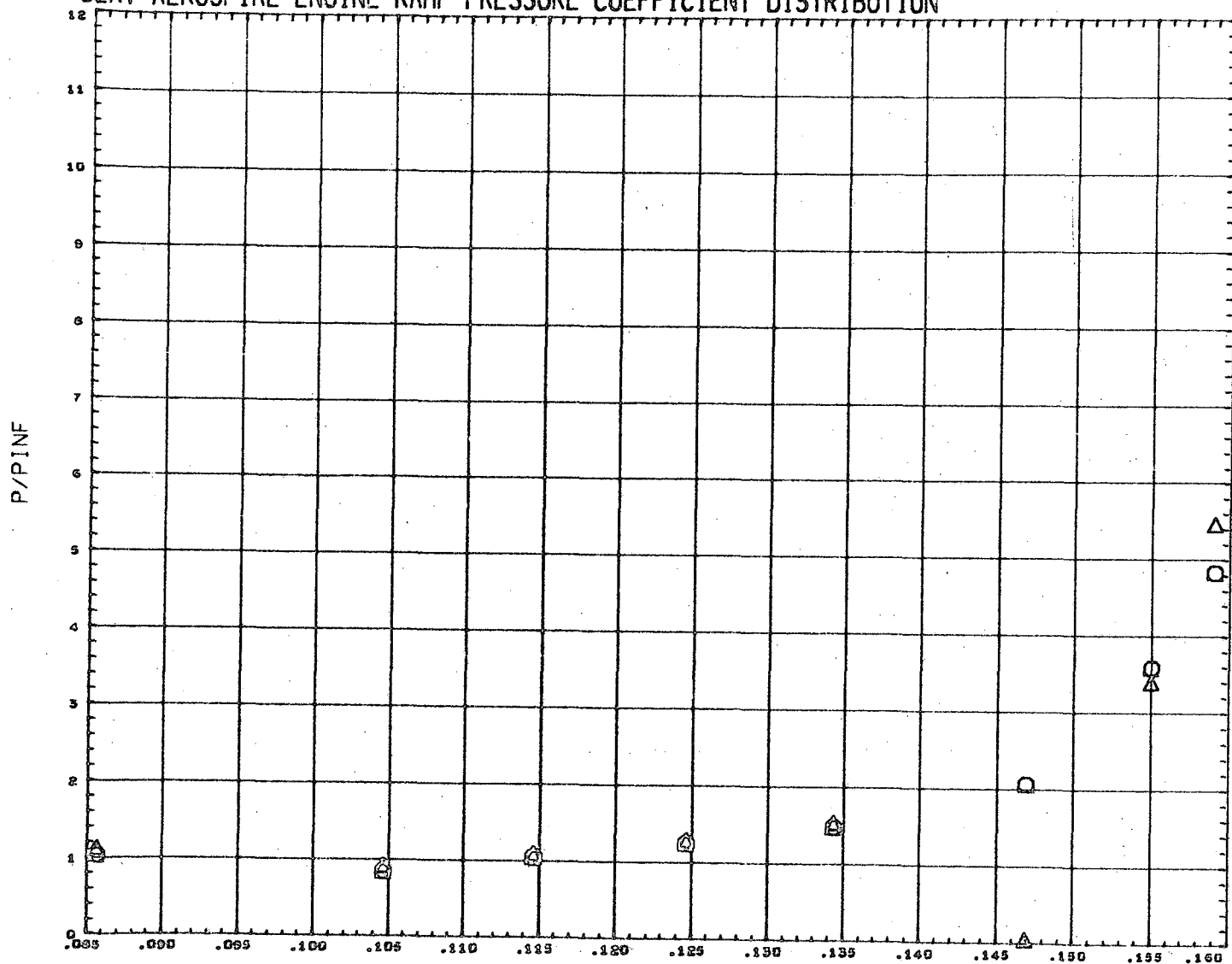
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△	315.000			58.1N.	INCHES	INCHES	DIANTR	DIANTR	DIANTR					

DB70A000T.F603E CCB9 TM-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 ○ 275.620 401.790 0.123
 △ 315.000

SREF 572.557 58. IN.
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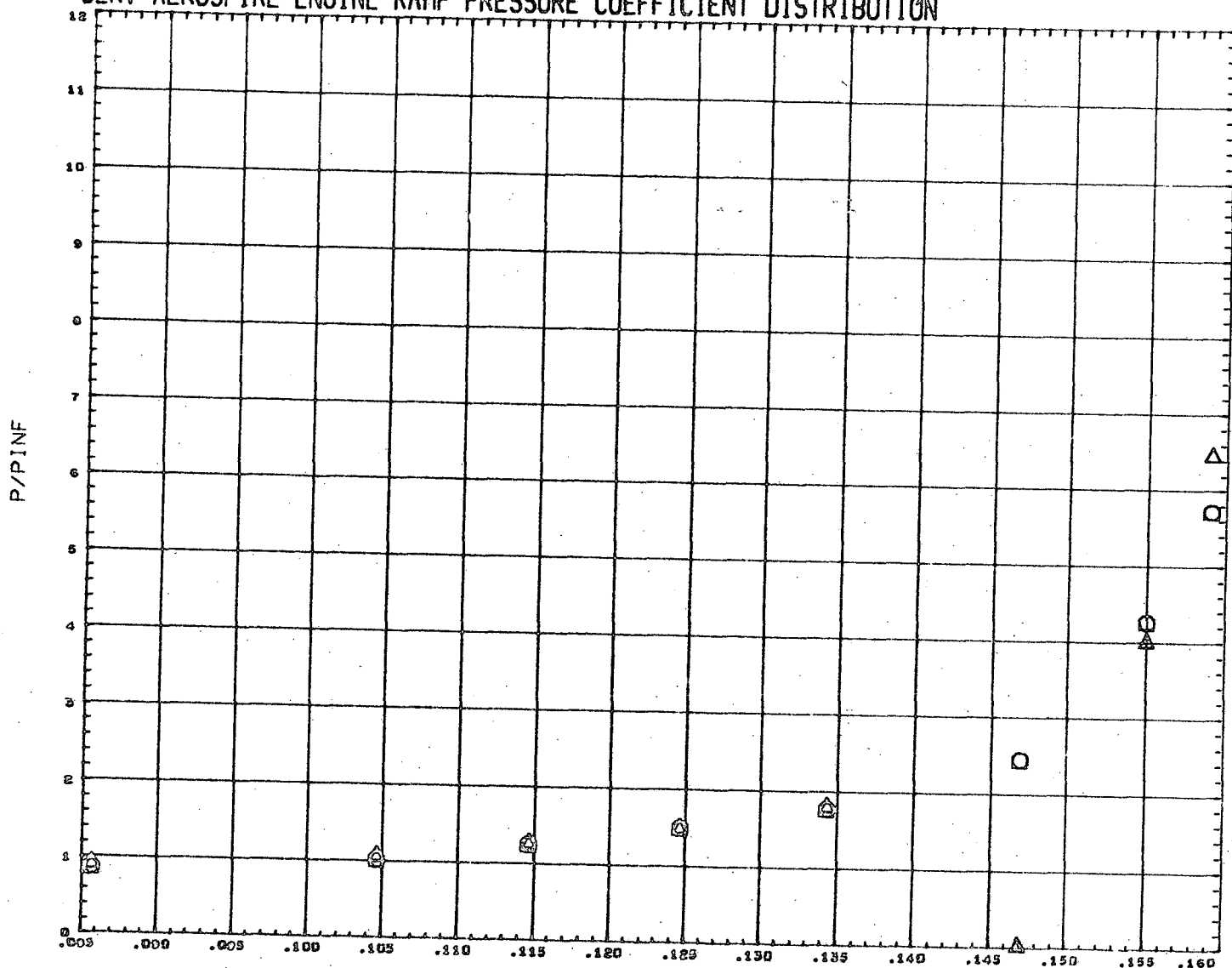
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 PC 404.679 WS/WPC 0.000

PARAMETRIC VALUES

BD7AR8008.FEC0E CC00 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION

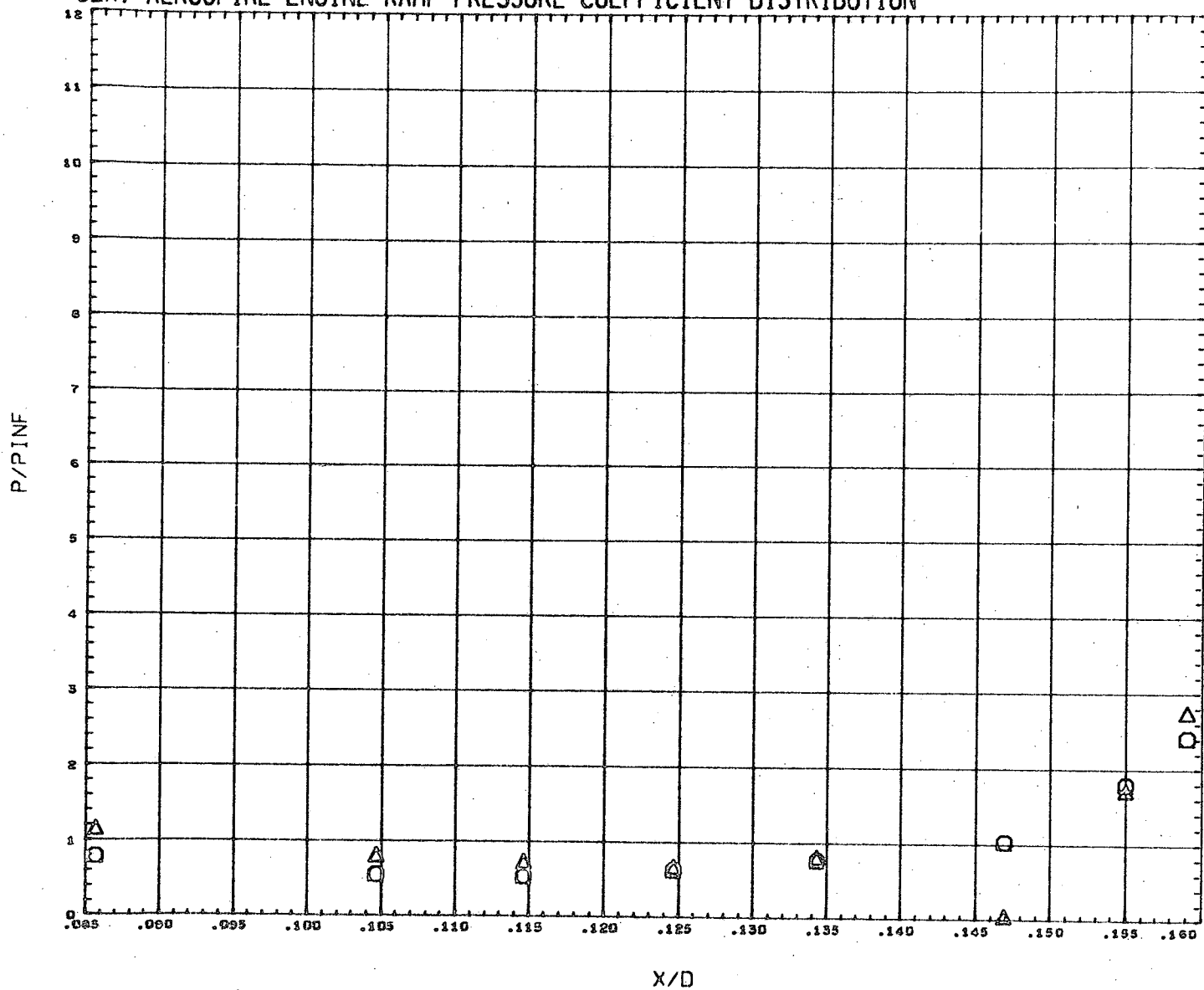


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△	315.000			BREF	27.000	INCHES		WS/WFC 0.000
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				YMRP	0.000	DIANTR		
				ZMRP	0.000	DIANTR		

00000000.FE00E CC00 TM-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



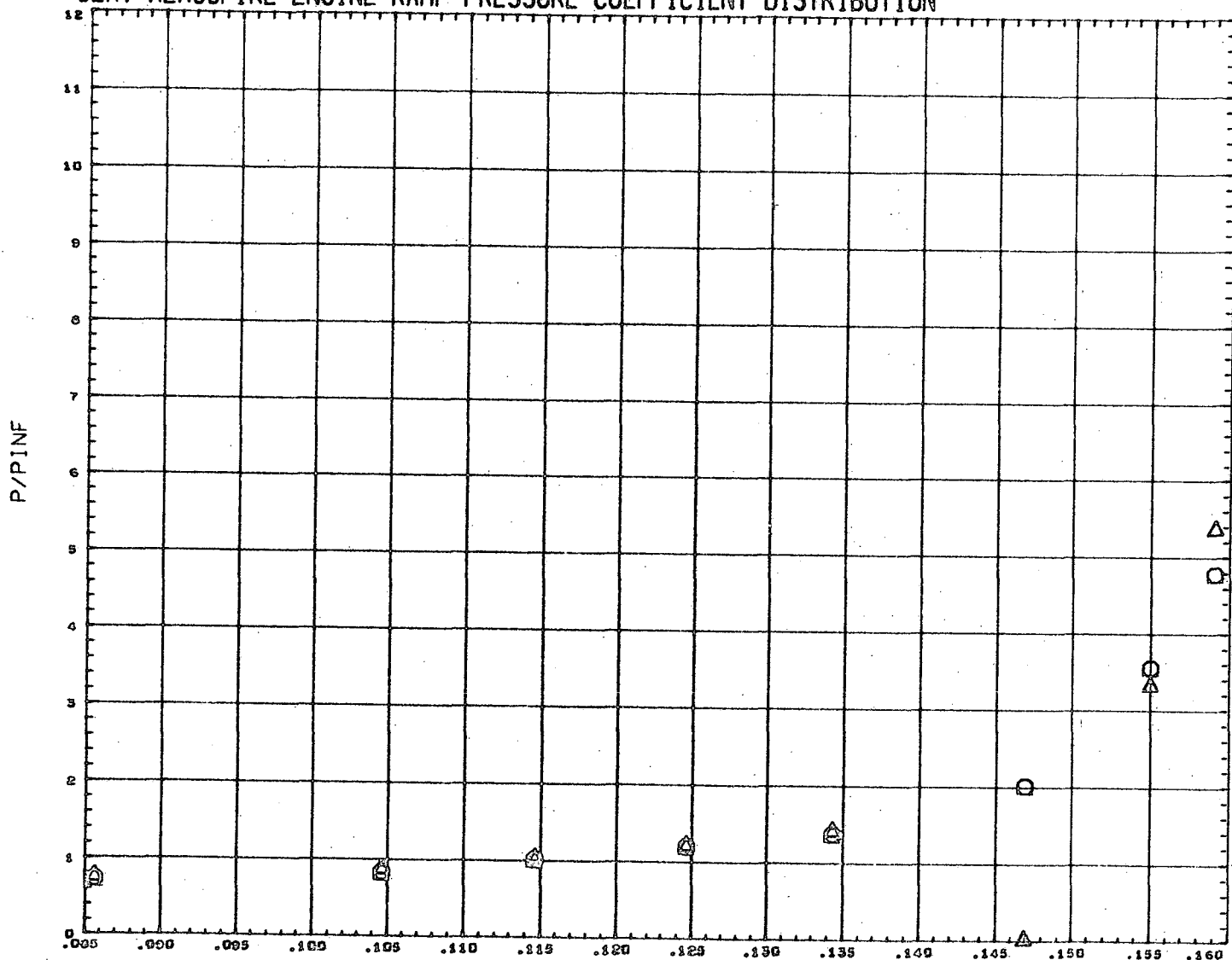
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				BREF	27.000	INCHES	ALPHA
				XMRP	0.000	DIAMTR	0.004
				YMRP	0.000	DIAMTR	PC
				ZMRP	0.000	DIAMTR	404.679
							WS/WPC
							0.000

007080066.FE00E CC89 TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



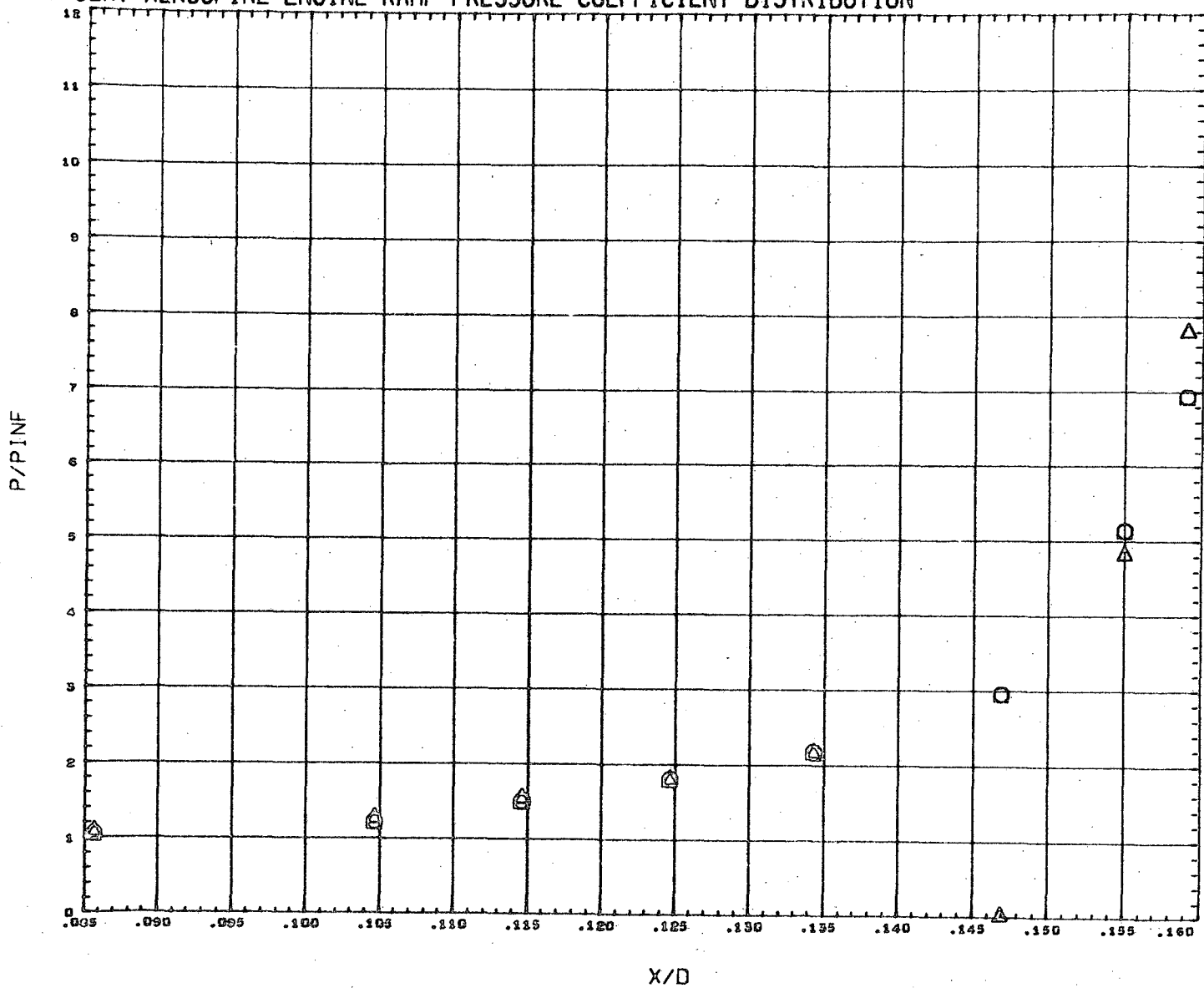
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	315.000			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DATA SOURCE: F002E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 275.620 578.883 0.598
 Δ 315.000

SREF 572.557 58. IN.
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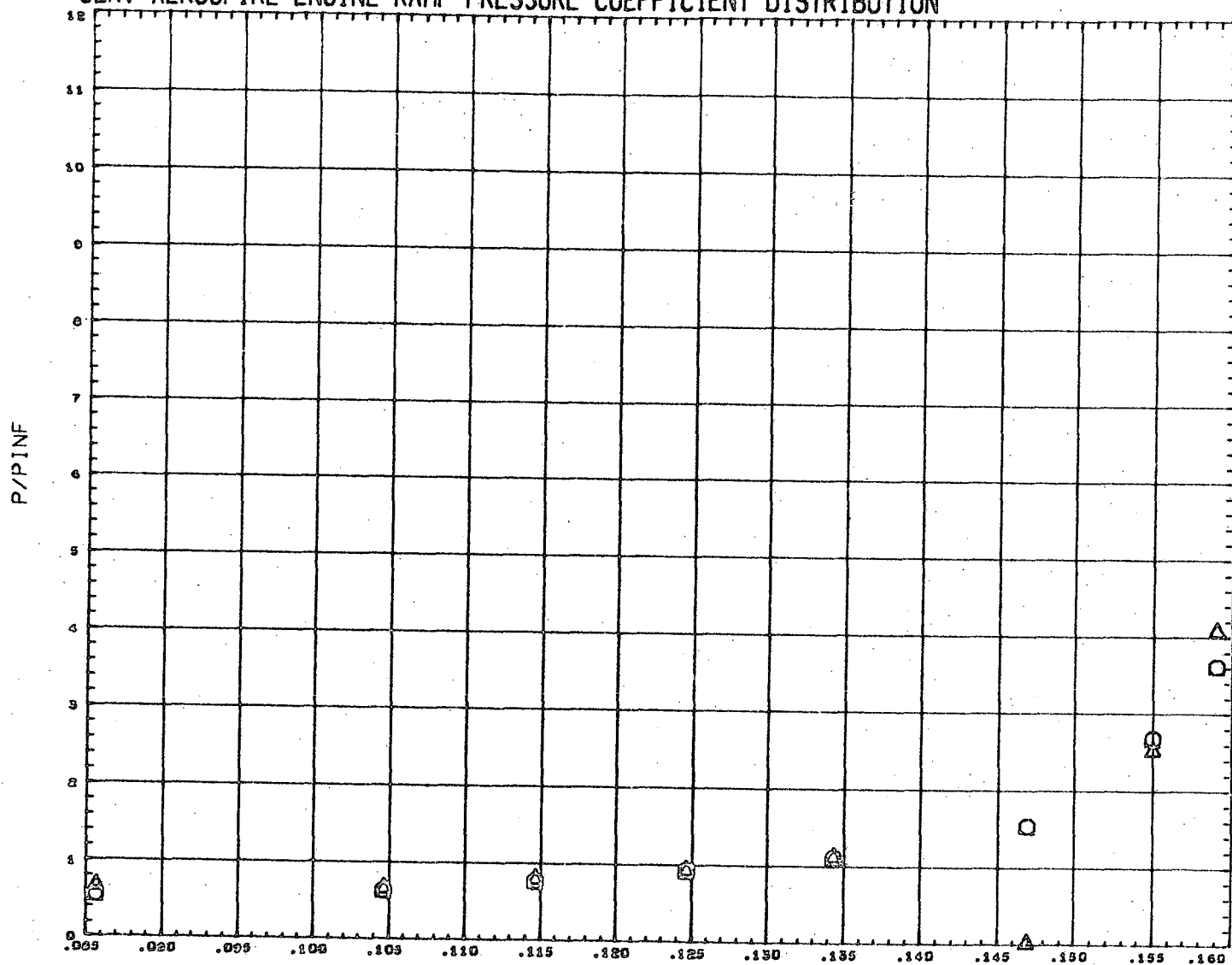
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

00709000.FEUSE CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



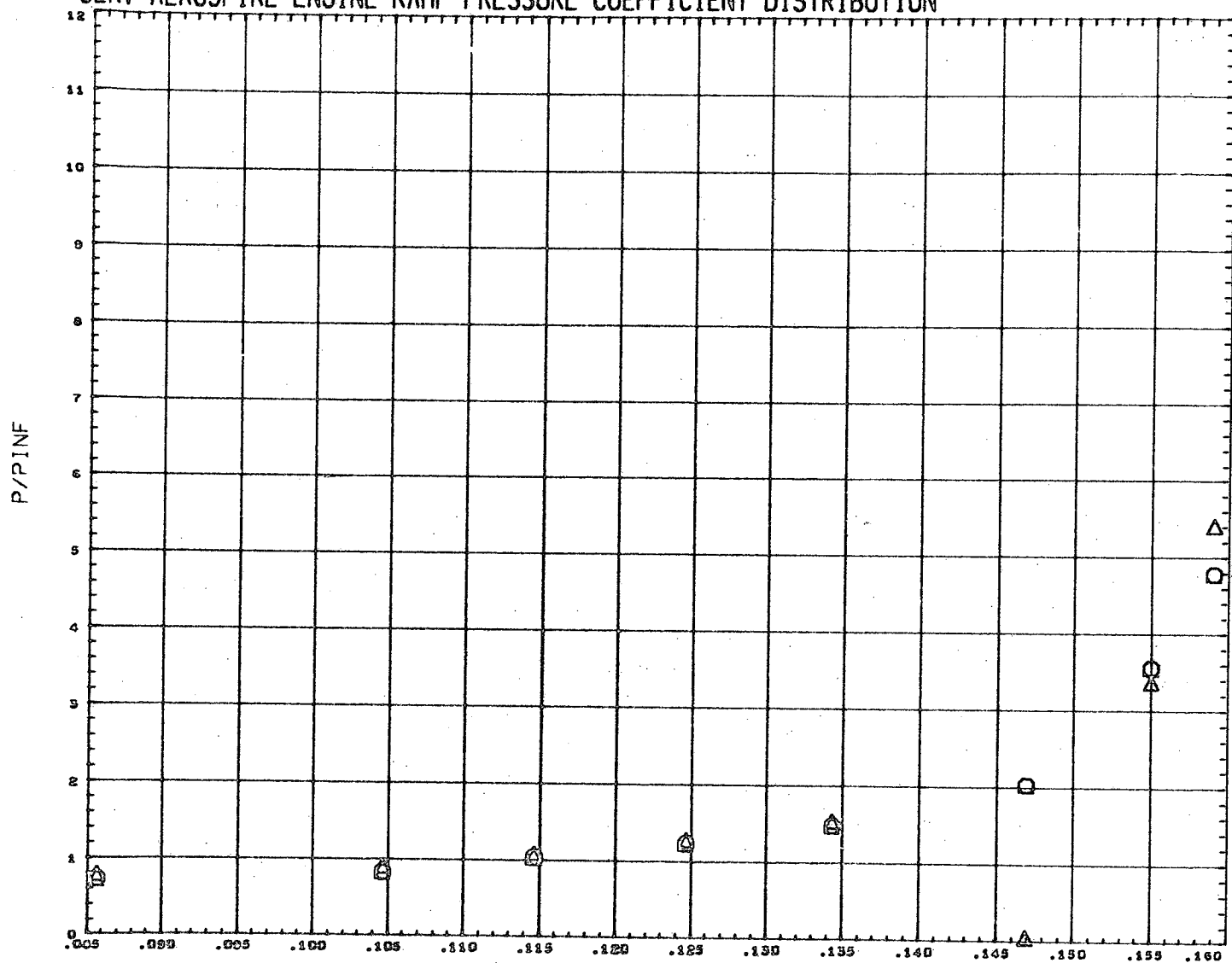
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△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000							
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				XMRP	0.000	DIAMTR											
				YMRP	0.000	DIAMTR											
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DATA SOURCE: FEECE CCSD TN-AP-70-469

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	275.620	400.087	0.798
△	315.000		

SREF	572.557	58. IN.
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BREF	27.000	INCHES
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ZMRP	0.000	DIAMTR

E/DOOR	0.000	ALPHA	0.004
FC	404.679	WS/WPC	0.000

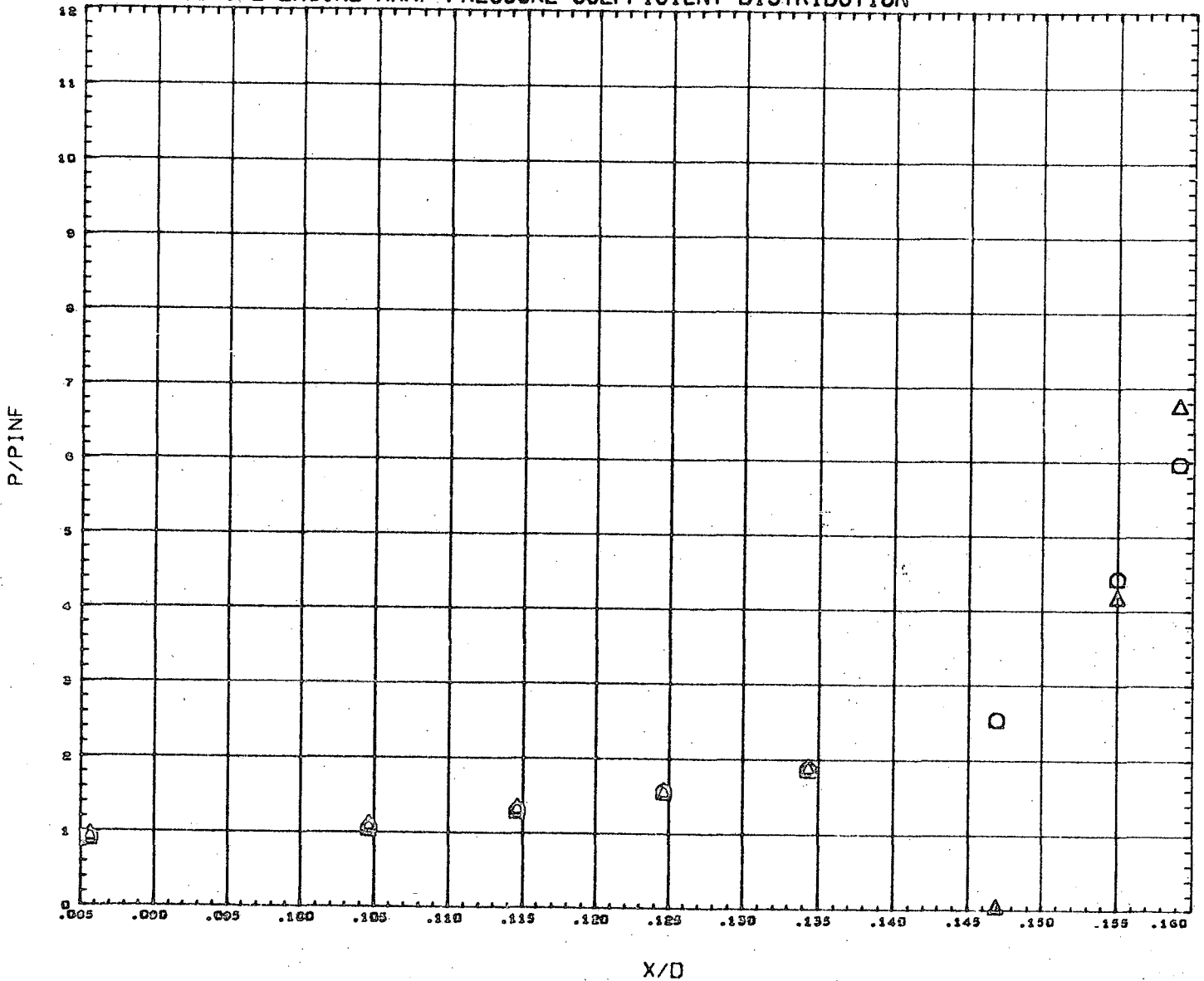
PARAMETRIC VALUES

08508886.FCL3E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



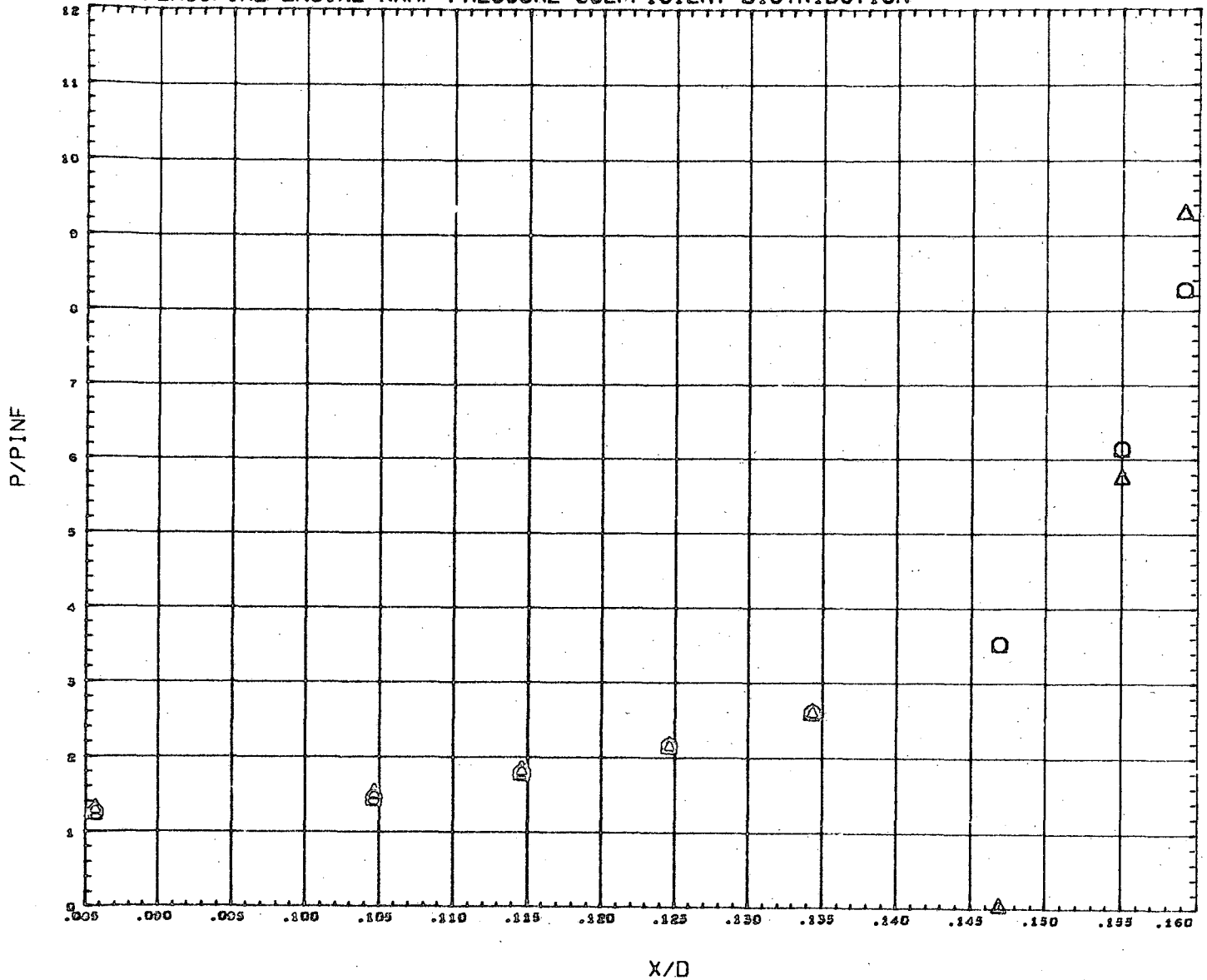
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				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

05080001.F002E CC00 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



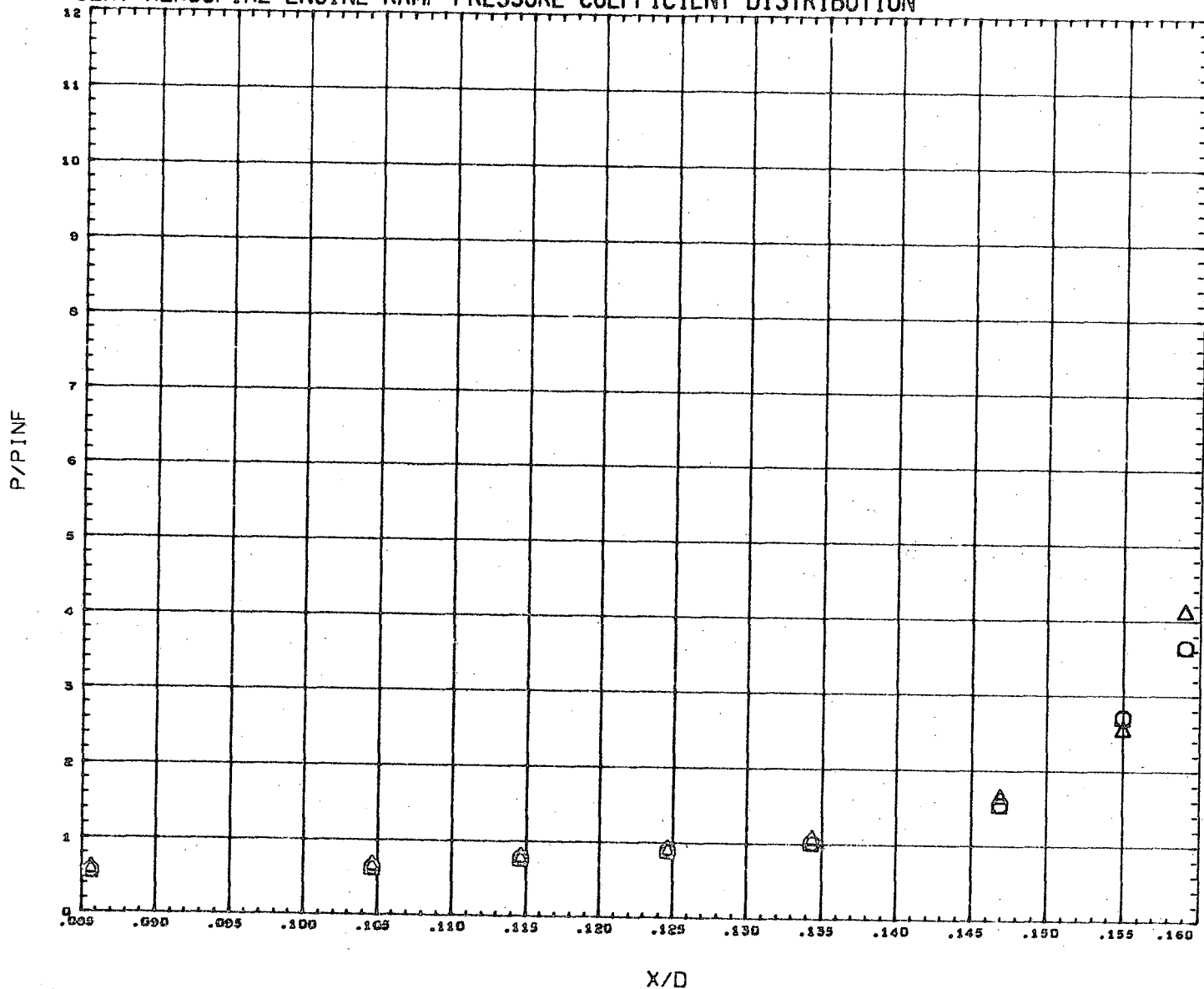
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				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

0570RB06X.FIC8E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



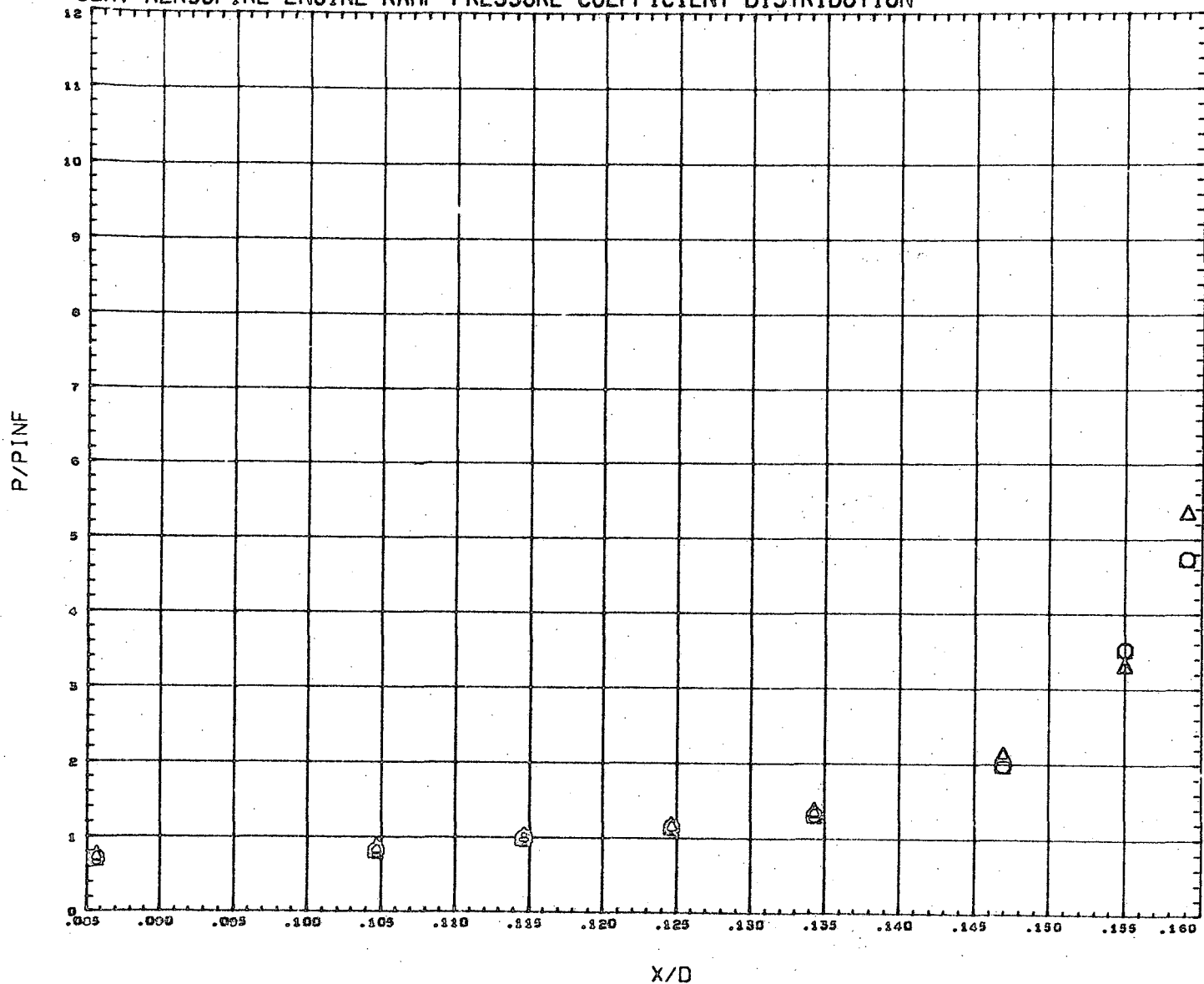
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				XMRP	0.000	DIAMTR	0.004
				YMRP	0.000	DIAMTR	FC
				ZMRP	0.000	DIAMTR	404.679
							WS/WPC
							0.000

0870R006.FE06E CC00 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH						
○	275.620	399.707	0.900						
△	315.000								

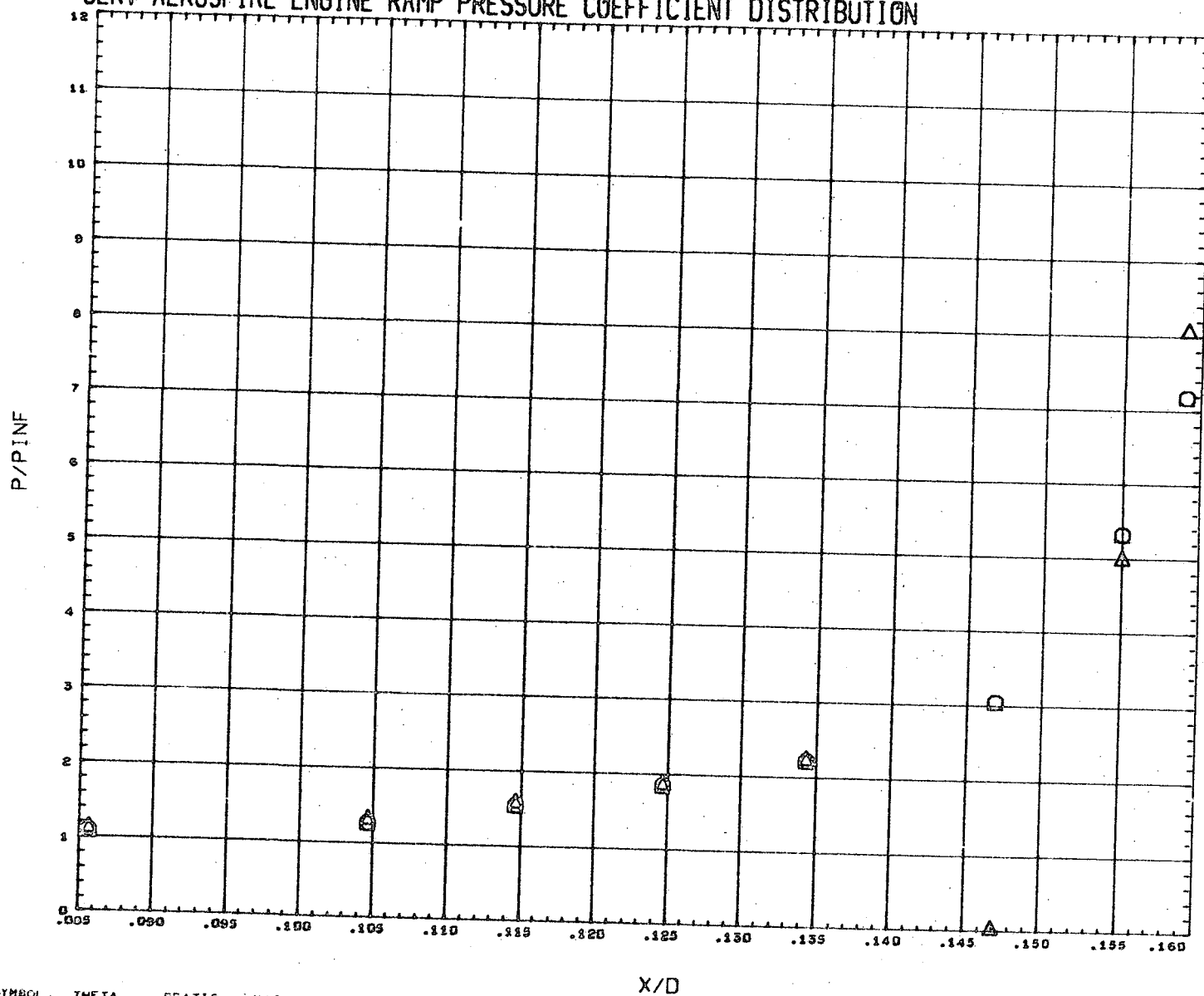
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BREF	27.000	INCHES				
XMRP	0.000	DIAMTR				
YMRP	0.000	DIAMTR				
ZMRP	0.000	DIAMTR				

DISORDERED.FCCE CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 600.200 0.893
 Δ 315.000

SREF 572.557 SQ.IN.
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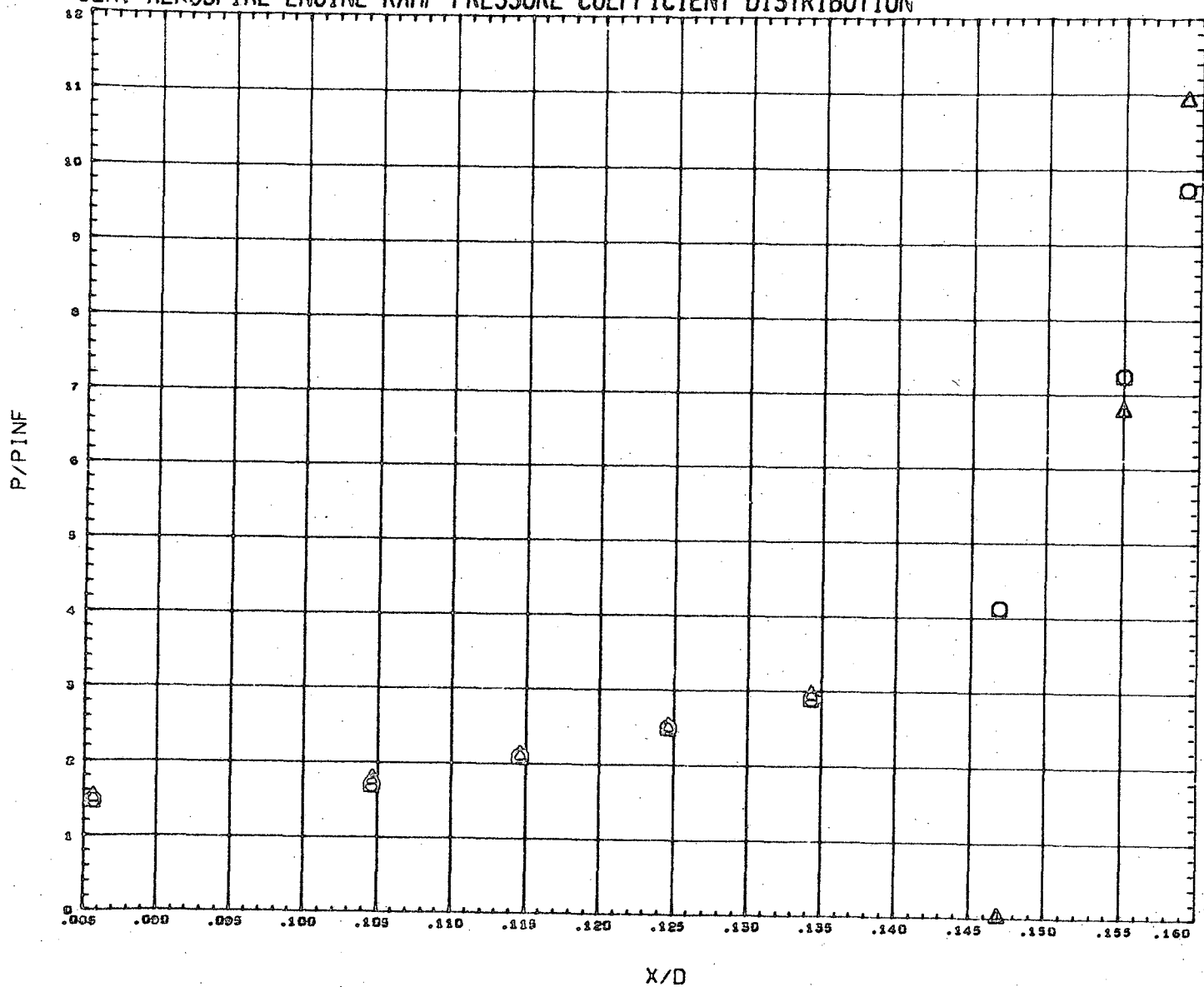
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 PC 404.679 WS/WPC 0.000

DATA SOURCE: F663E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 275.620 012.557 0.902
 Δ 319.000

SREF 572.557 58.IN.
 LREF 27.000 INCHES
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 ZMRP 0.000 DIAMTR

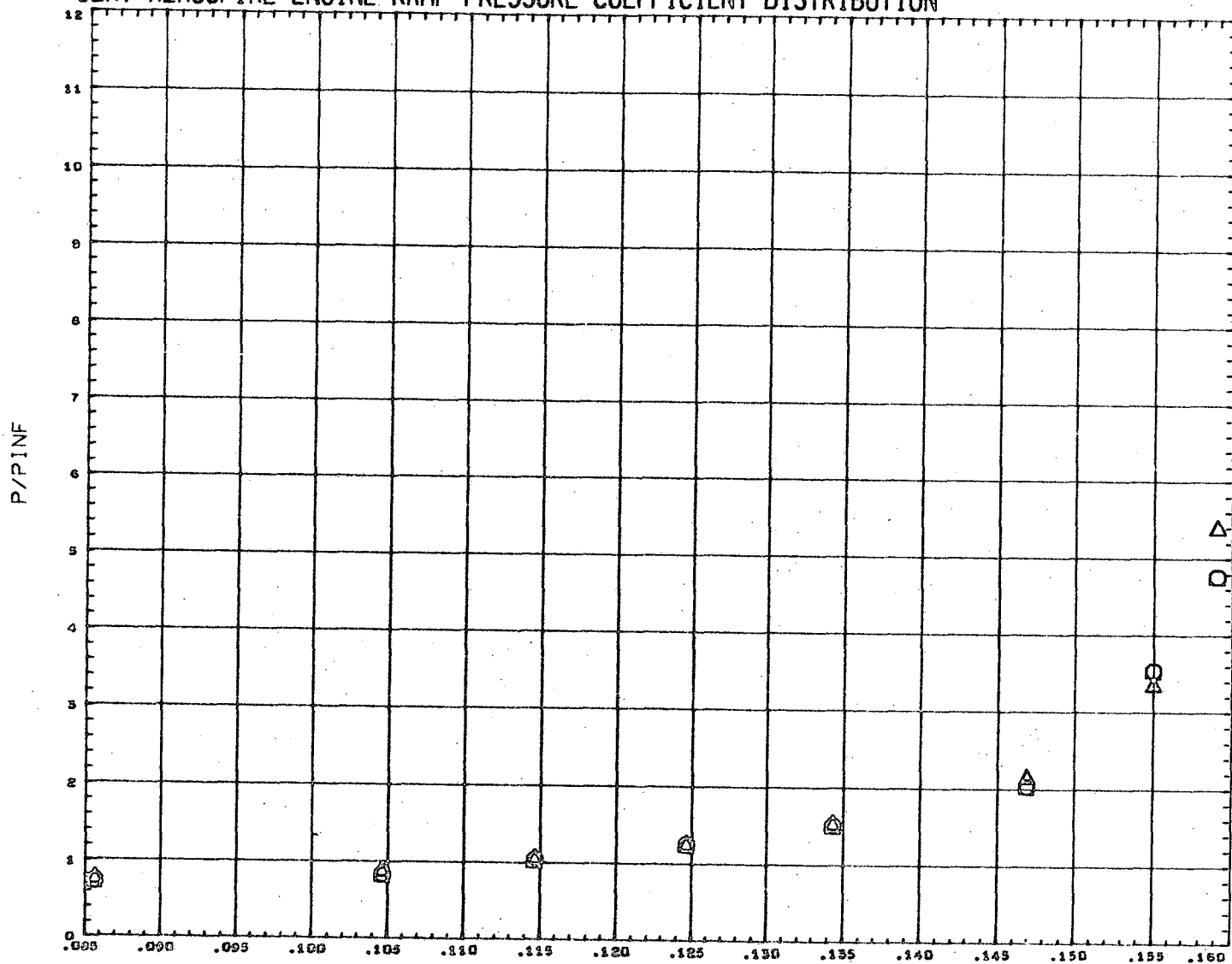
PARAMETRIC VALUES
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 FC 404.679 WS/WFC 0.000

00000000.FC00E CC00 TN-AP-70-049

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



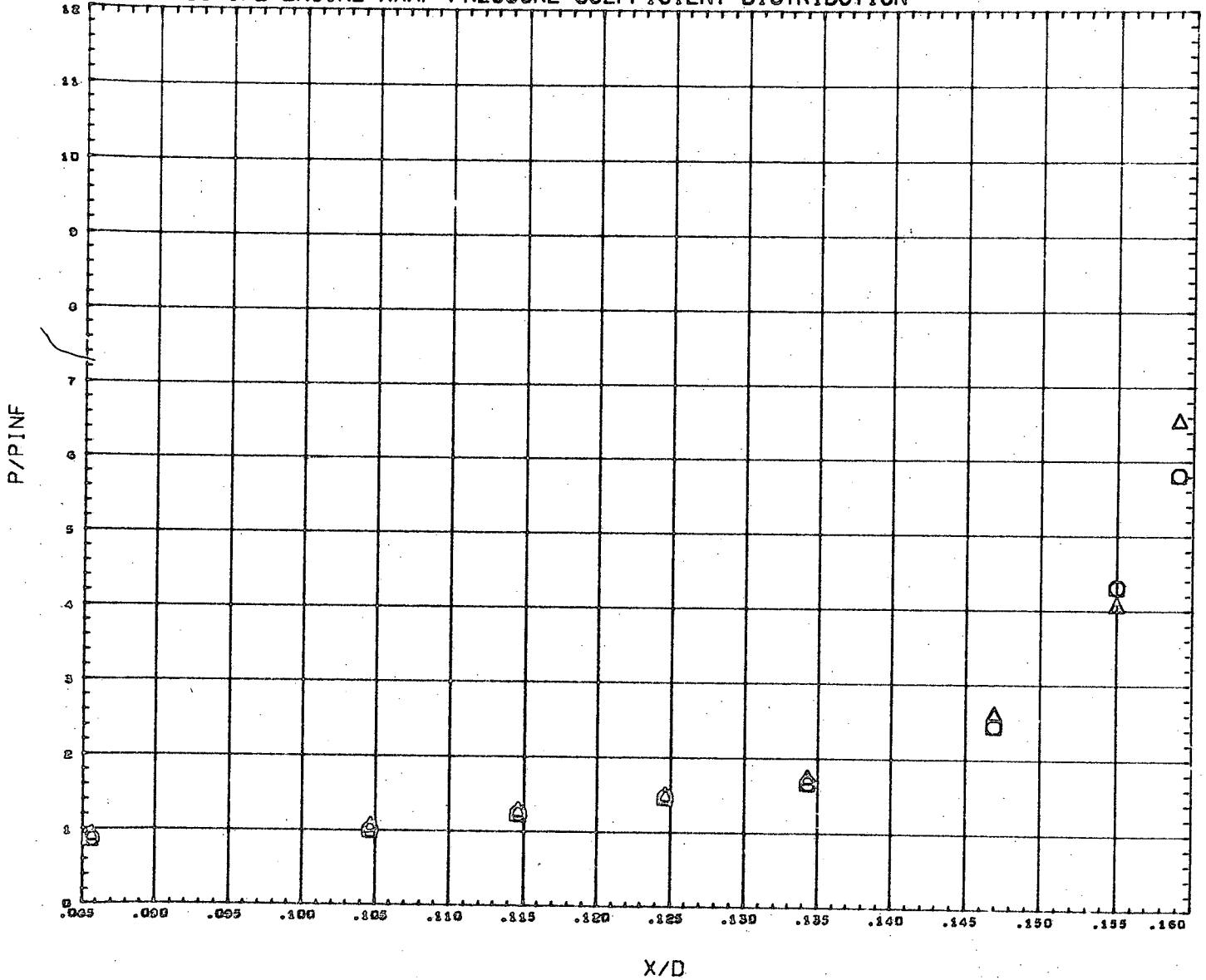
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	315.000			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DATA SOURCE: F&E CCSD TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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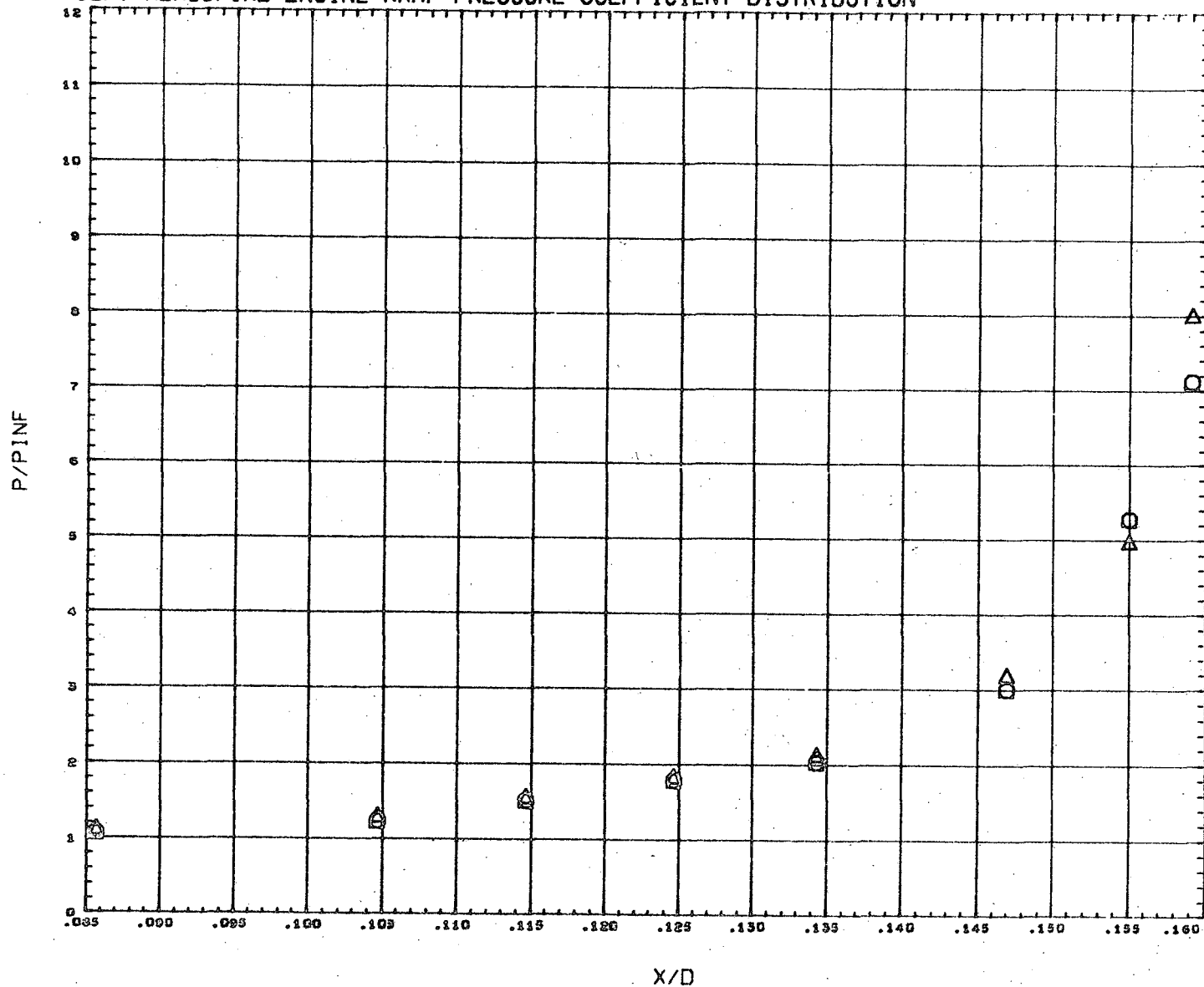
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
O	275.620	491.300	1.101	572.597	27.000	27.000	0.000	0.000	0.000	0.000	404.679	0.000	0.004	0.000
A	315.000			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					

BARBARO60.FLGE CCSD TM-AP-70-049

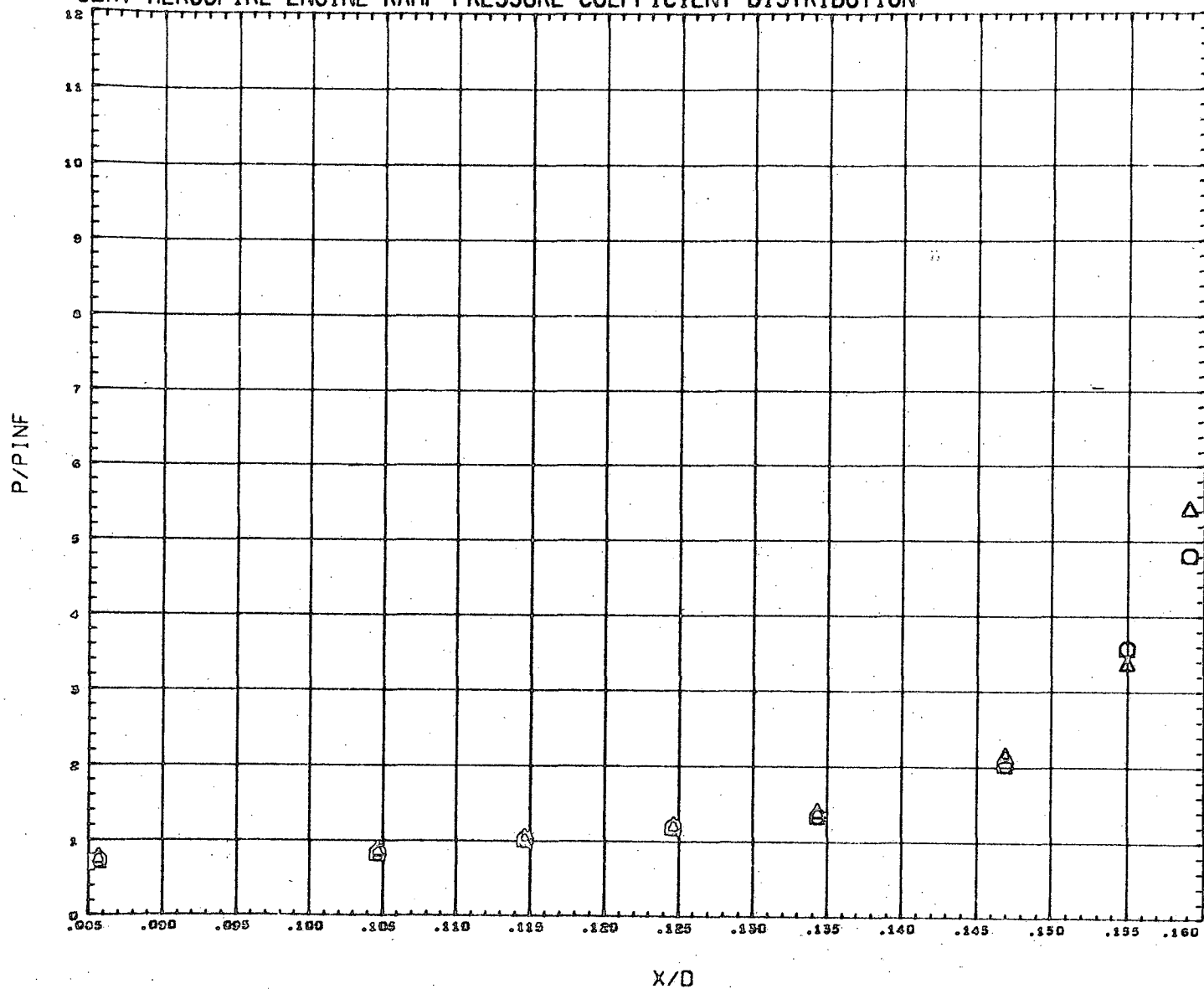
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
○	275.620	599.127	1.089	LREF	27.000	INCHES	0.000	ALPHA	0.004
△	315.000			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XMRF	0.000	DIAMTR			0.000
				YMRF	0.000	DIAMTR			
				ZMRF	0.000	DIAMTR			

00708000.F000E CCSD TM-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	275.620	406.123	1.254
△	315.000		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

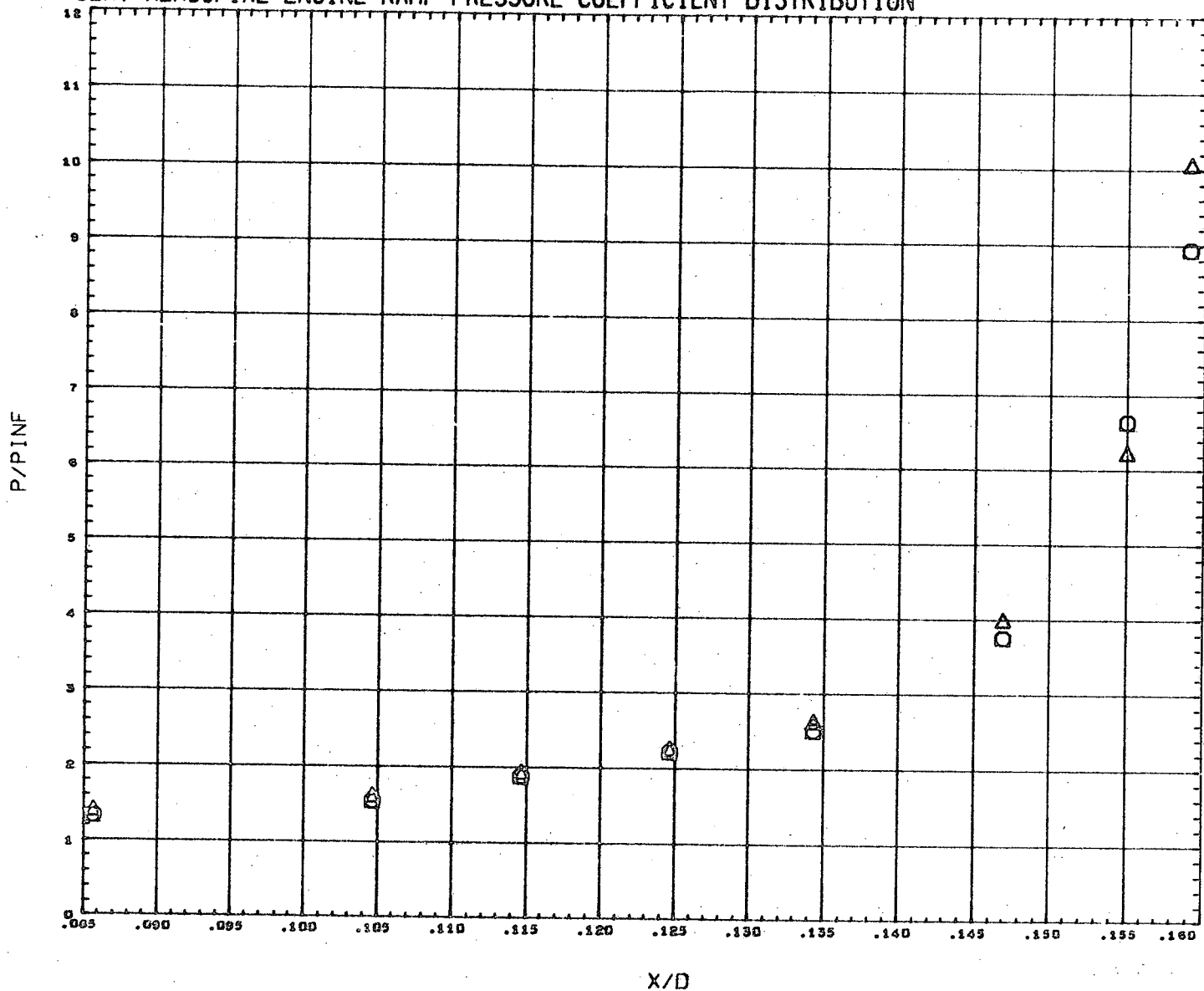
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.000

0870R8080.FCLBE CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



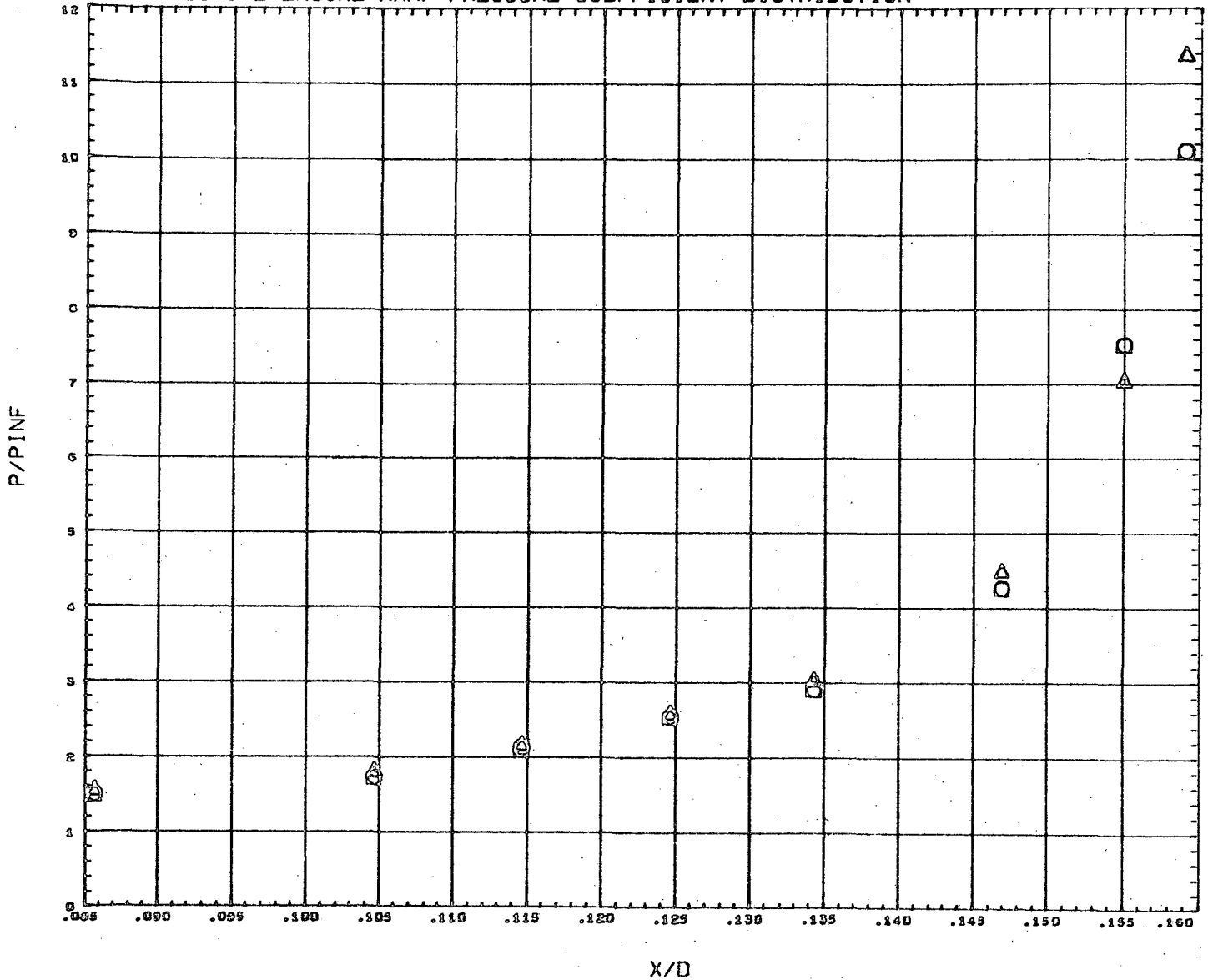
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 O 275.620 751.932 1.261
 A 315.000

SREF 572.557 SQ.IN.
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 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
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 FC 404.679 WS/WPC 0.000

88050005.FE5E CCSD TN-AP-70-449

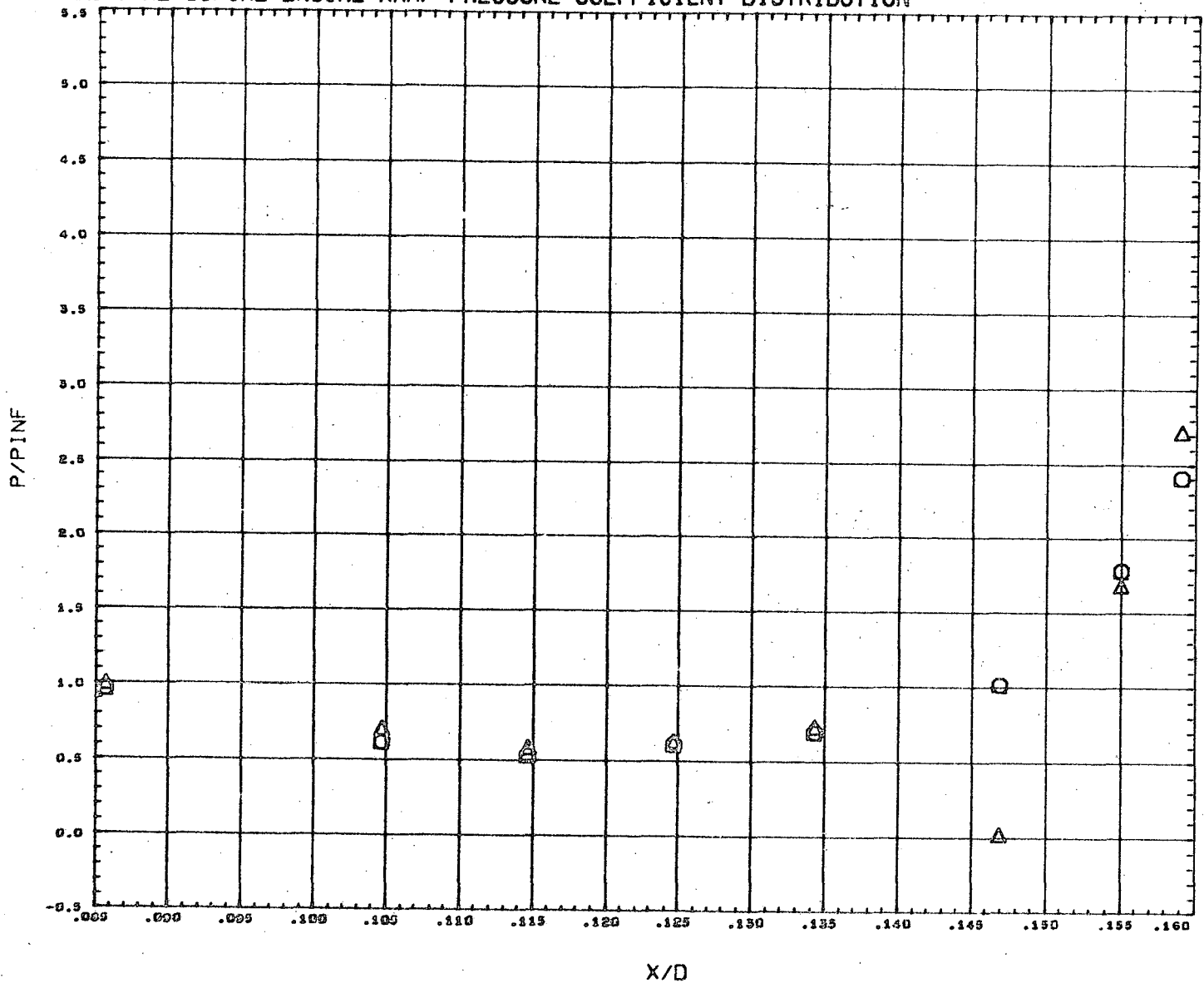
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XHRP	YHRP	ZHRP	PARAMETRIC VALUES
○	275.620	831.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	315.000			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000

00000001.F000E C000 TN-AP-70-048

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620
 Δ 315.000

SREF 572.557 SQ.IN.
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 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

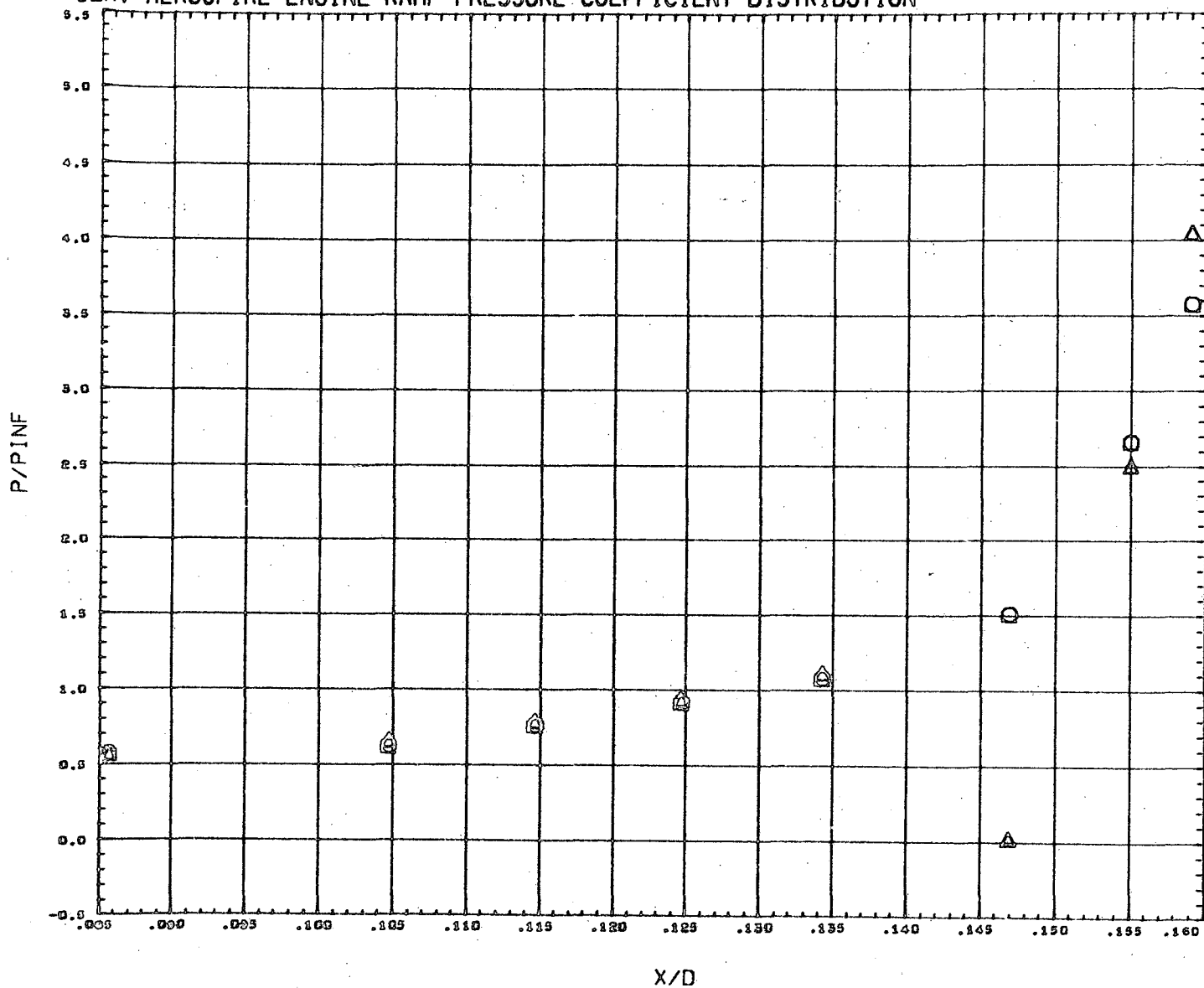
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 FC 402.996 WS/WFC 0.000

00000000.FE03E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	275.620	299.500	0.801
△	315.000		

SREF	572.557	50.1N.
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ZMRP	0.000	DIAMTR

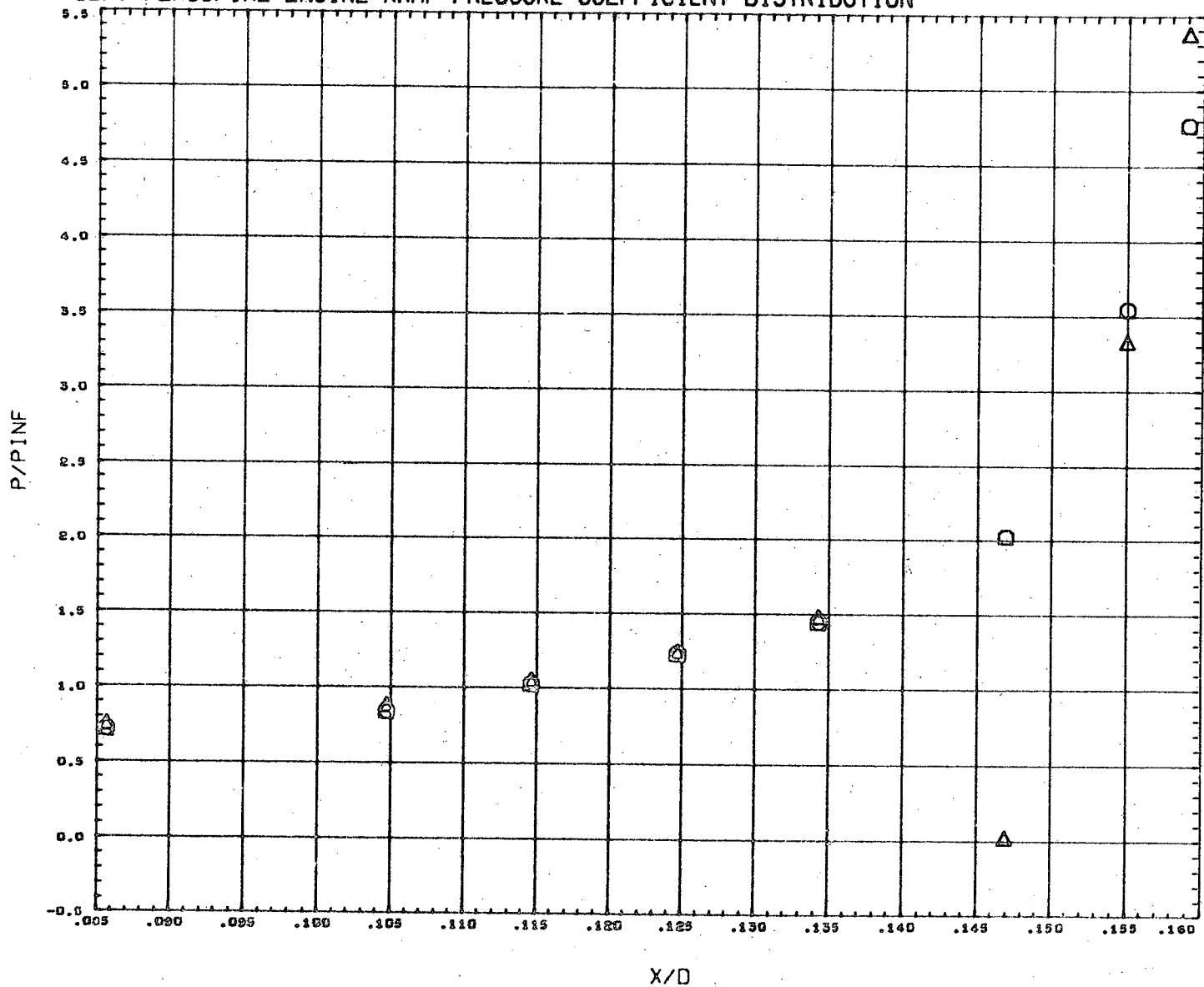
E/DOOR	0.000	ALPHA	8.022
PC	402.996	WS/WFC	0.000

DB08R0000.F000E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 275.620 398.487 0.899
△ 315.000

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
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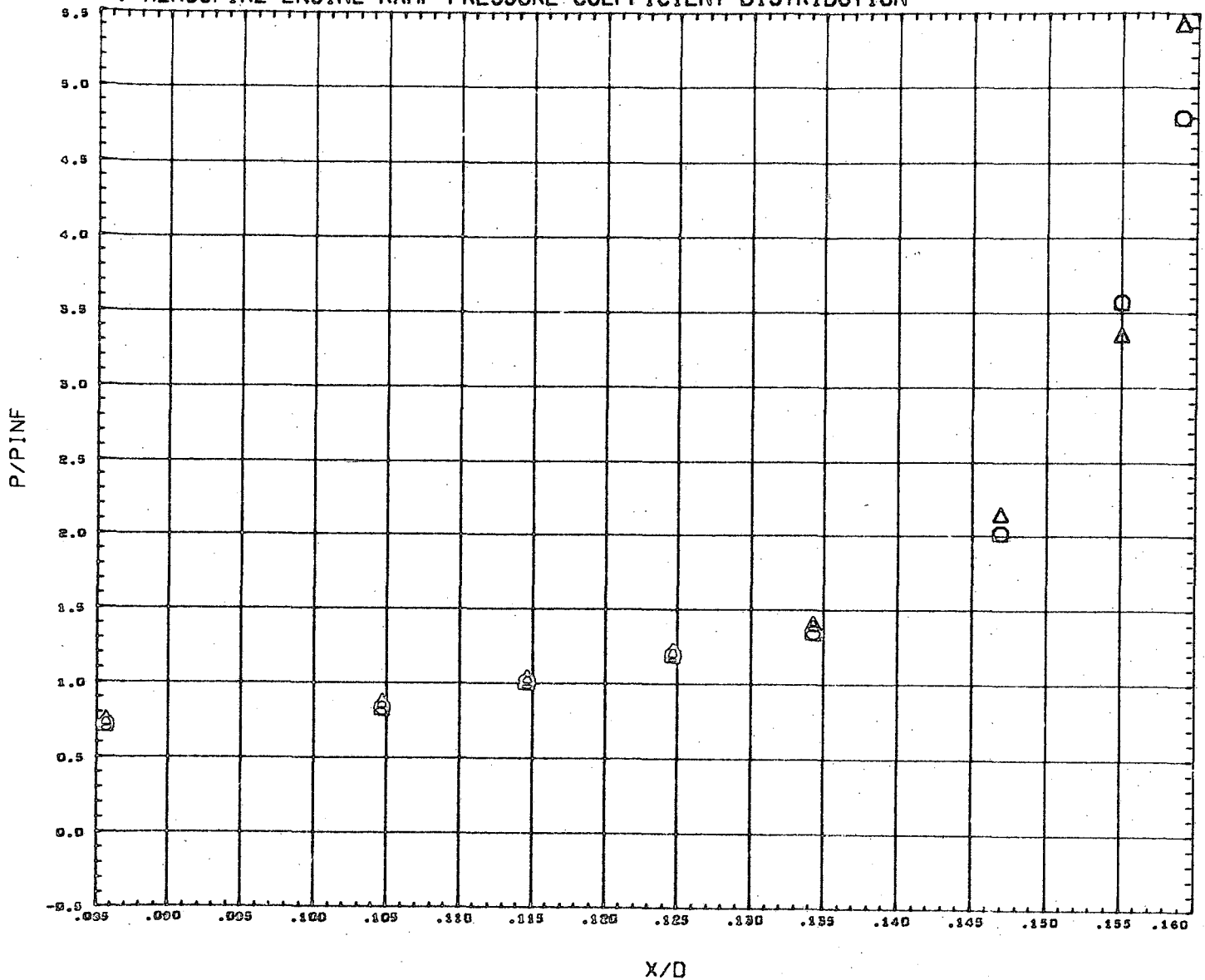
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 8.022
PC 402.996 WS/WPC 0.000

00788005.F002E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	275.620	402.407	1.100
△	315.000		

SREF	572.557	SQ.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
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YWRP	0.000	DIAMTR
ZWRP	0.000	DIAMTR

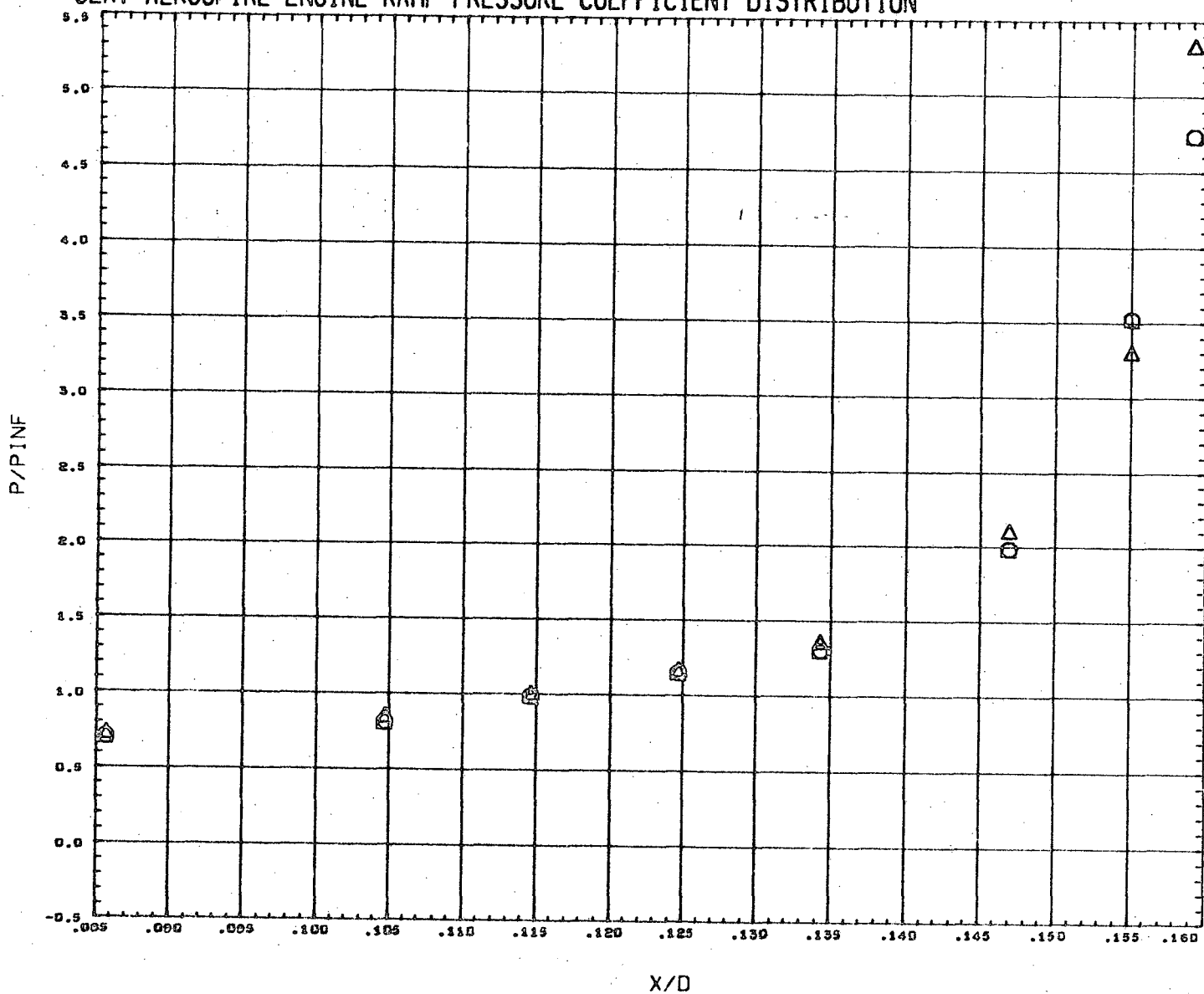
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PC	402.996	WS/WFC	0.000

00000000.F000E C000 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THEITA FRATIO MACH
○ 275.620 400.737 1.253
△ 315.000

SREF 572.557 38. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

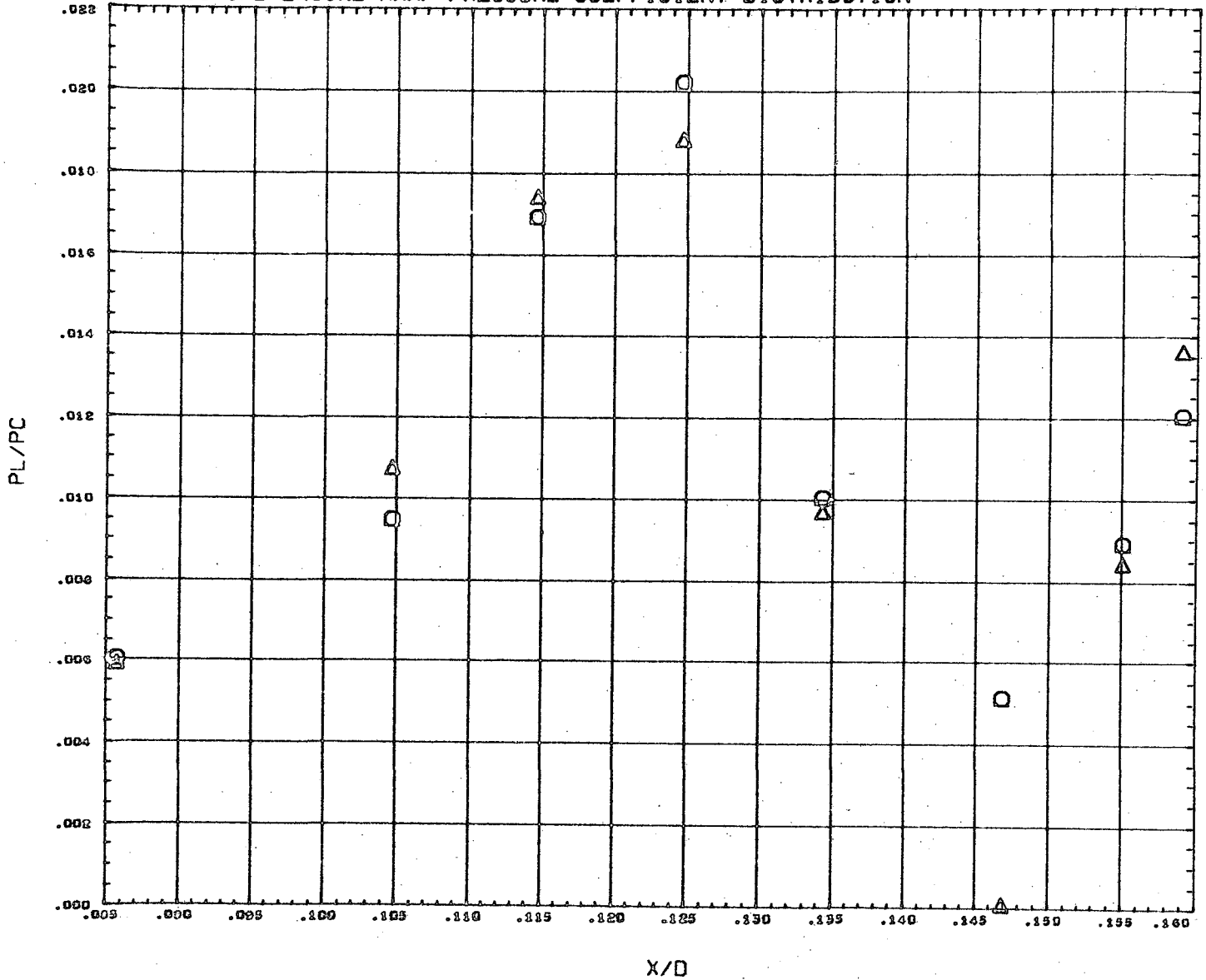
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FC 402.996 WS/WFC 0.000

00000000.F000E CC00 TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



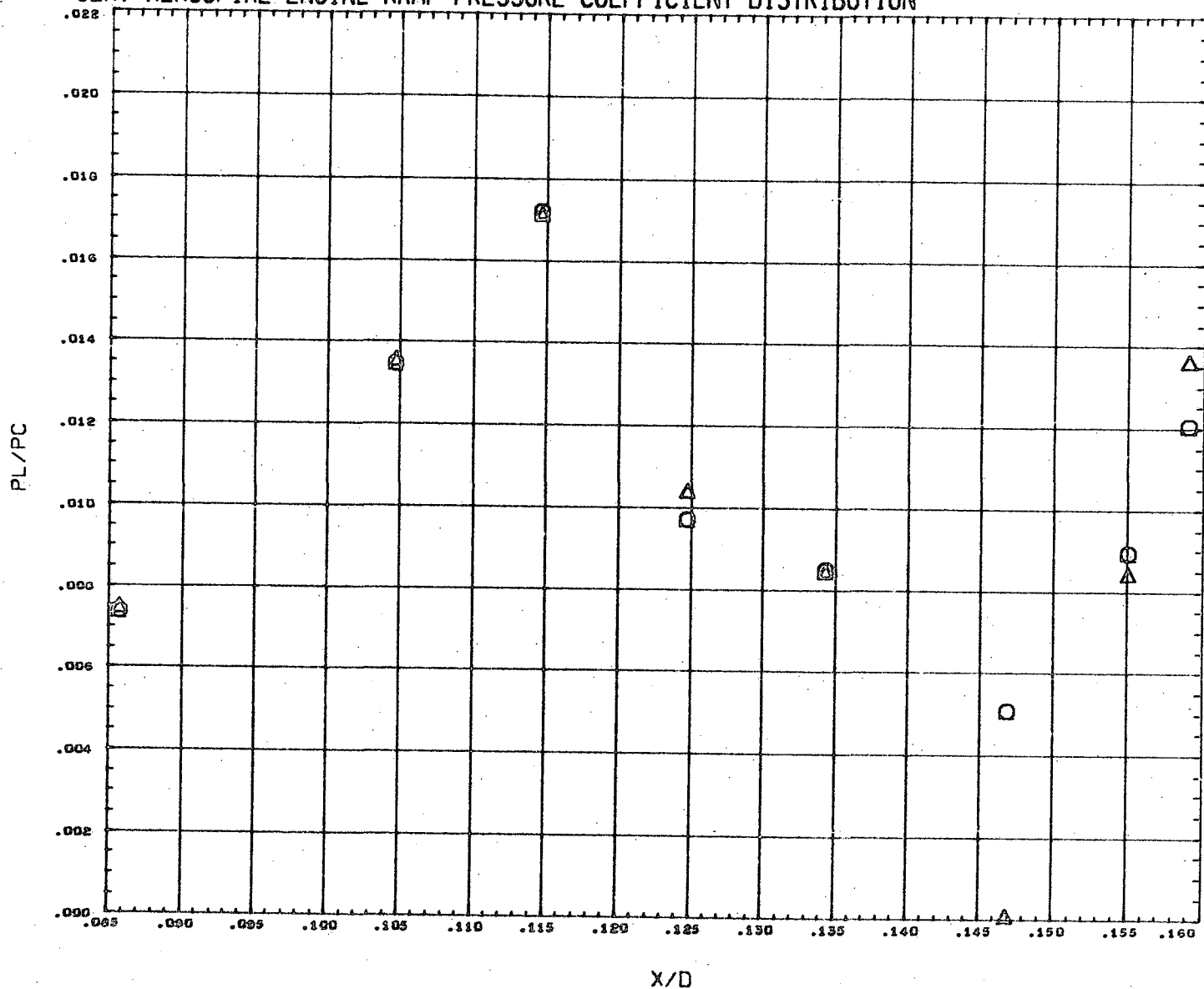
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△	315.000			LREF	27.000	INCHES
				BREF	27.000	INCHES
				XMRP	0.000	DIAHTR
				YMRP	0.000	DIAHTR
				ZMRP	0.000	DIAHTR
				E/DOOR	0.000	ALPHA
				PC	404.679	WS/WFC
						0.000

00000000.F000E CC09 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



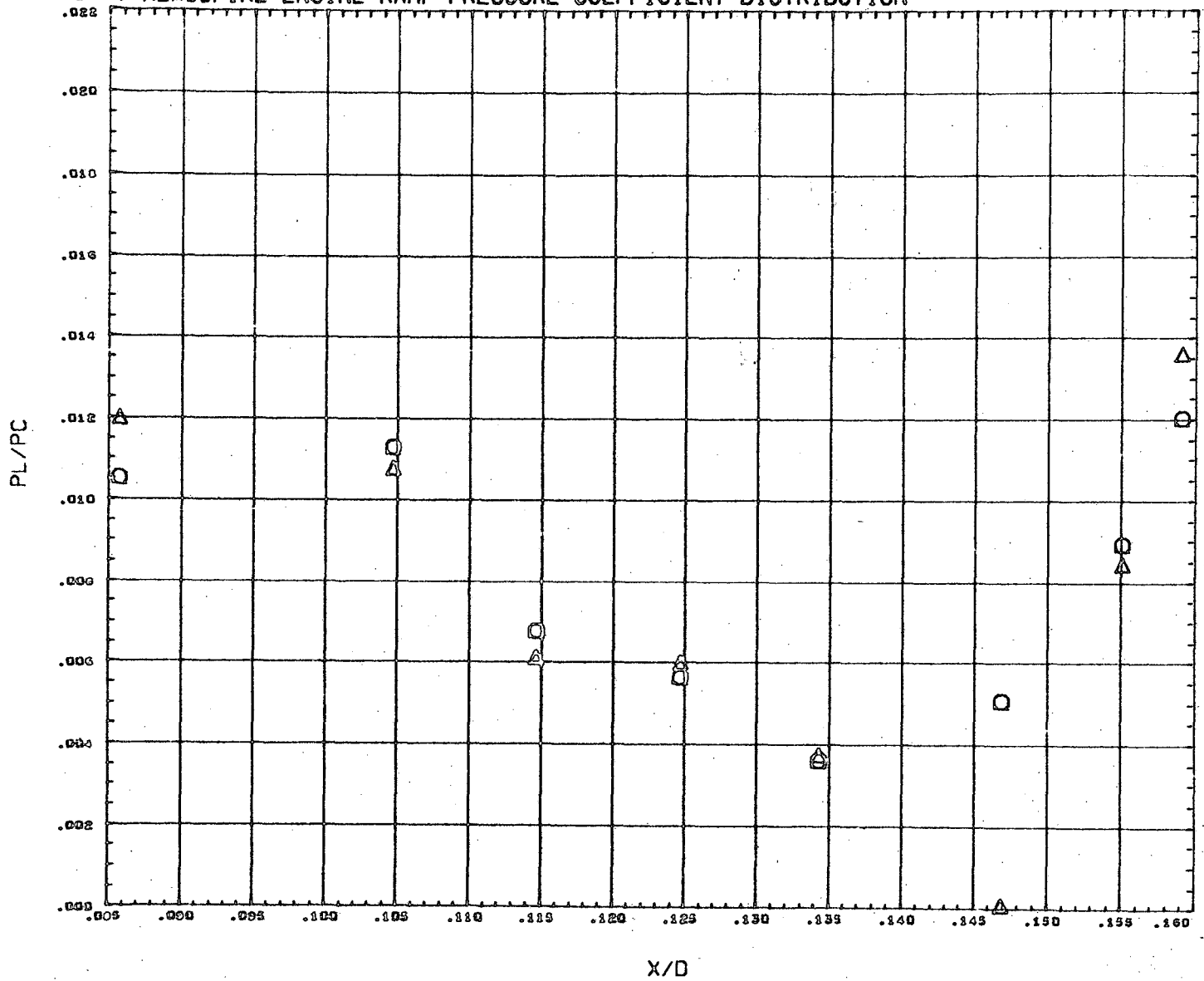
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○	275.620	151.083	0.099	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DBTDBBGG.FCCBE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



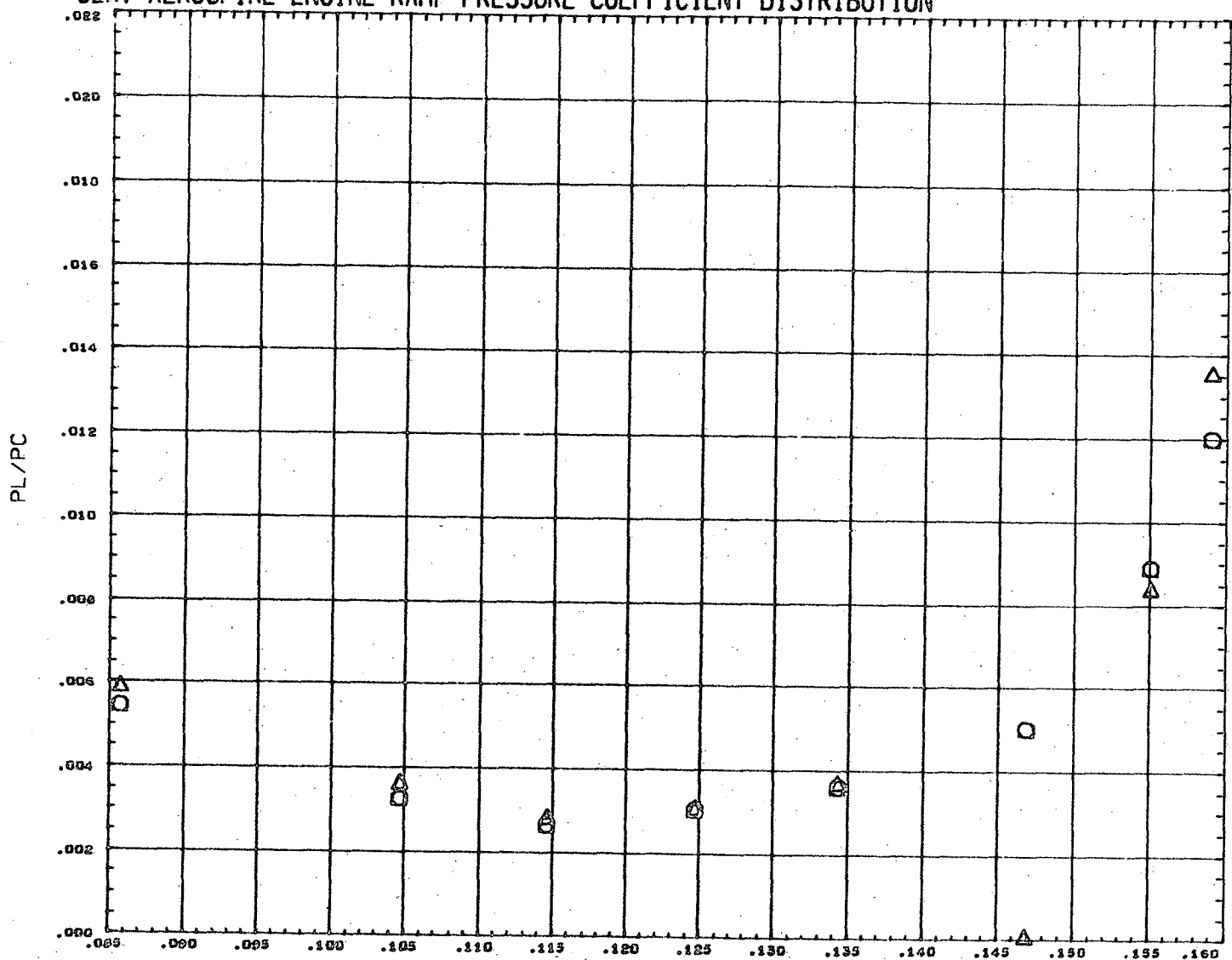
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○	275.620	200.173	0.086	LREF	27.000	INCHES	PC	0.000	ALPHA
△	315.000			BREF	27.000	INCHES		404.679	WS/WFC
				XMRP	0.000	DIAHTR			0.000
				YMRP	0.000	DIAHTR			
				ZMRP	0.000	DIAHTR			

00000000.F008E 0000 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 304.463 0.074
 △ 315.000

SREF 572.557 50.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
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 YHRF 0.000 DIAMTR
 ZHRF 0.000 DIAMTR

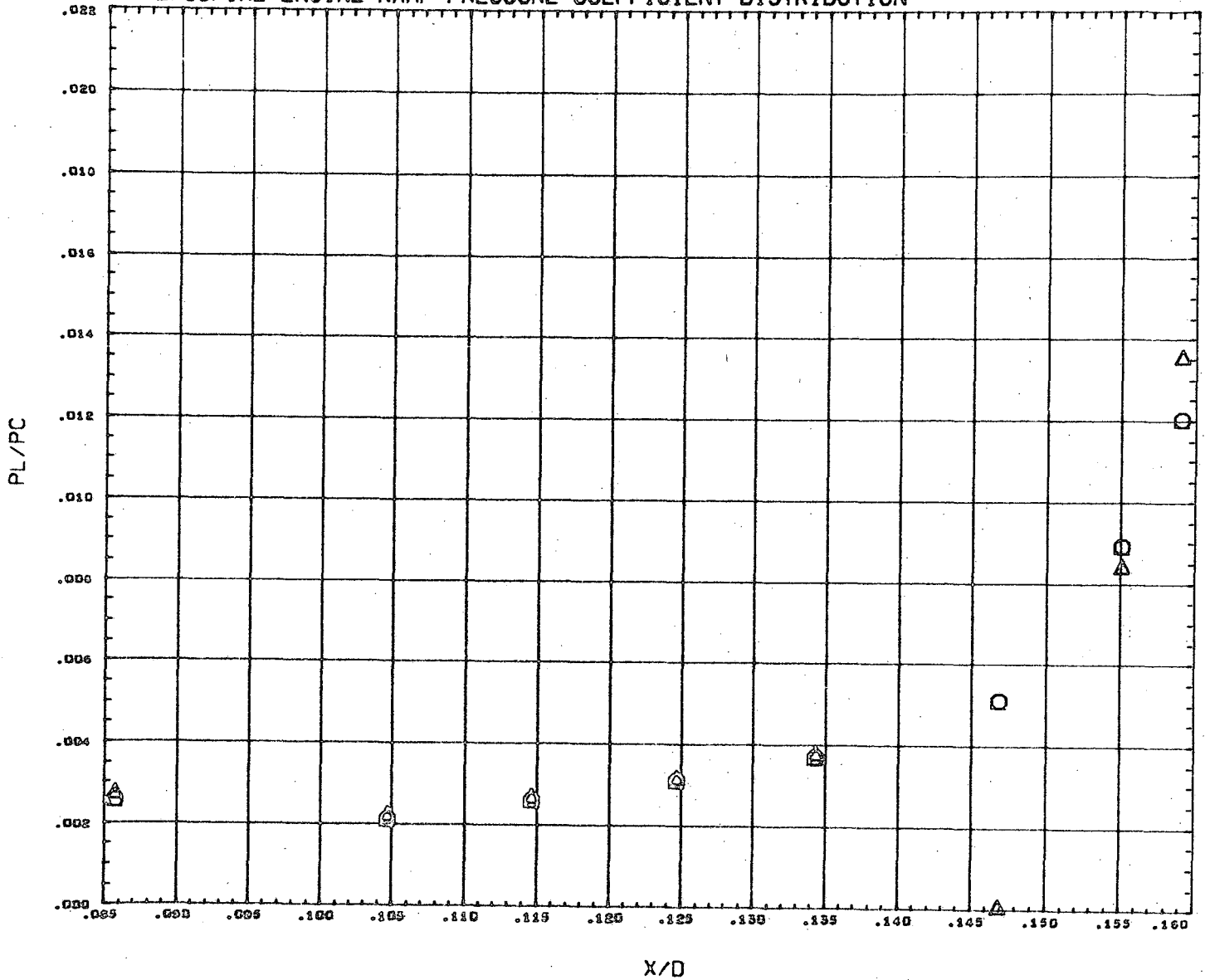
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

0870R0003.F000E CC20 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



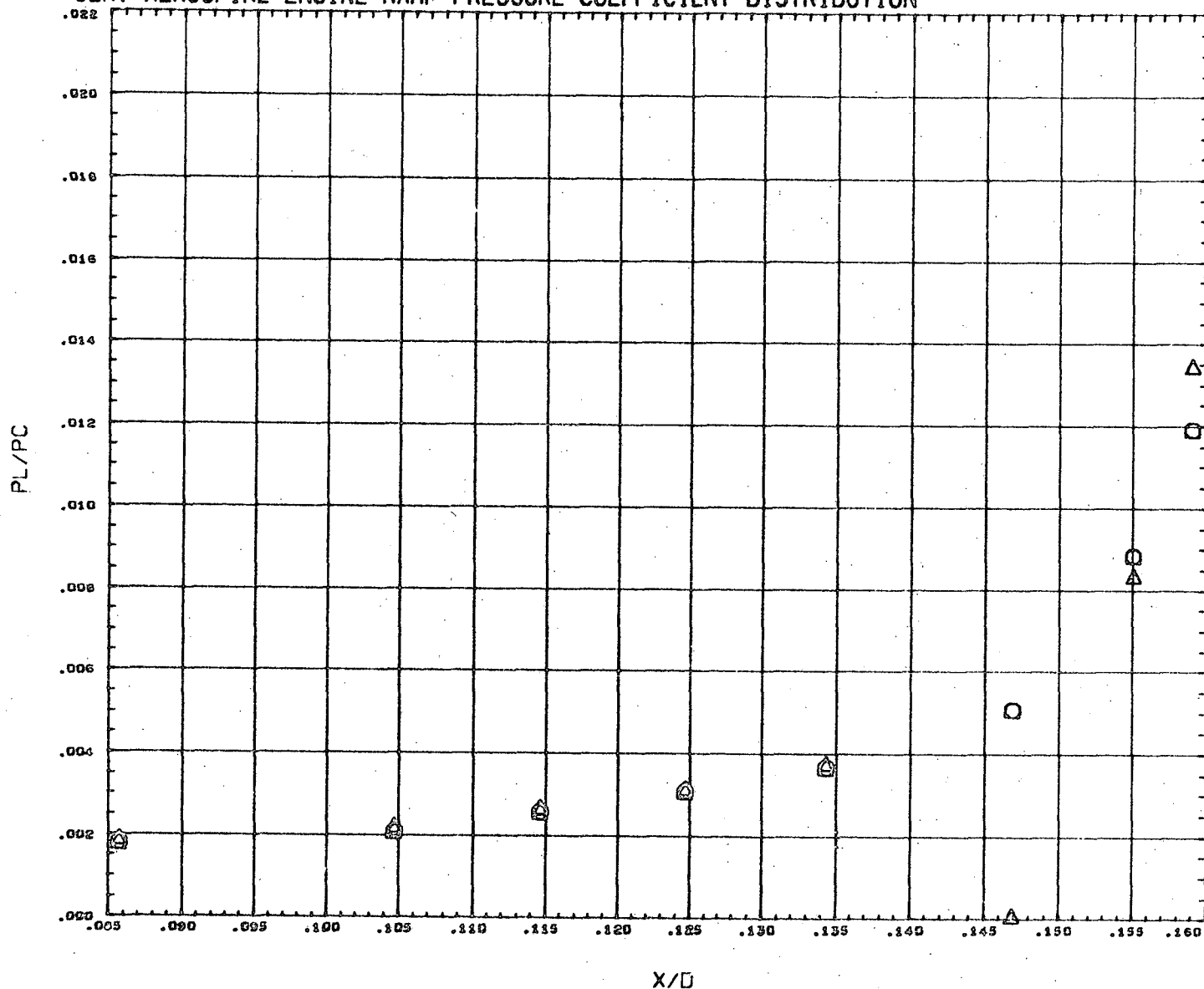
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△	315.000			BREF	27.000	INCHES		404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

DATA SOURCE: FICCE CCOD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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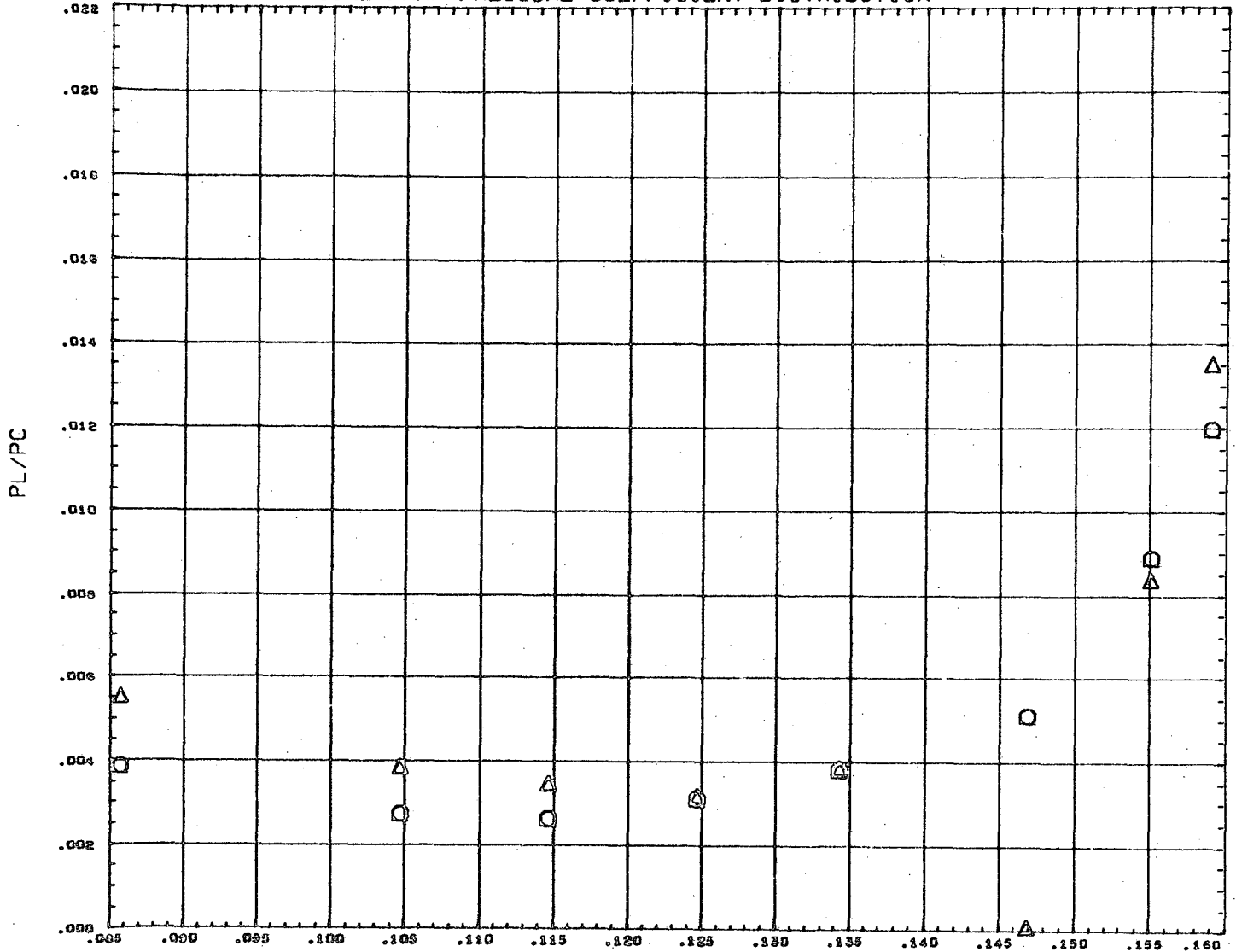
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH							
○	275.620	481.697	0.131	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

88008062.F002E CCSD TM-AP-70-448

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



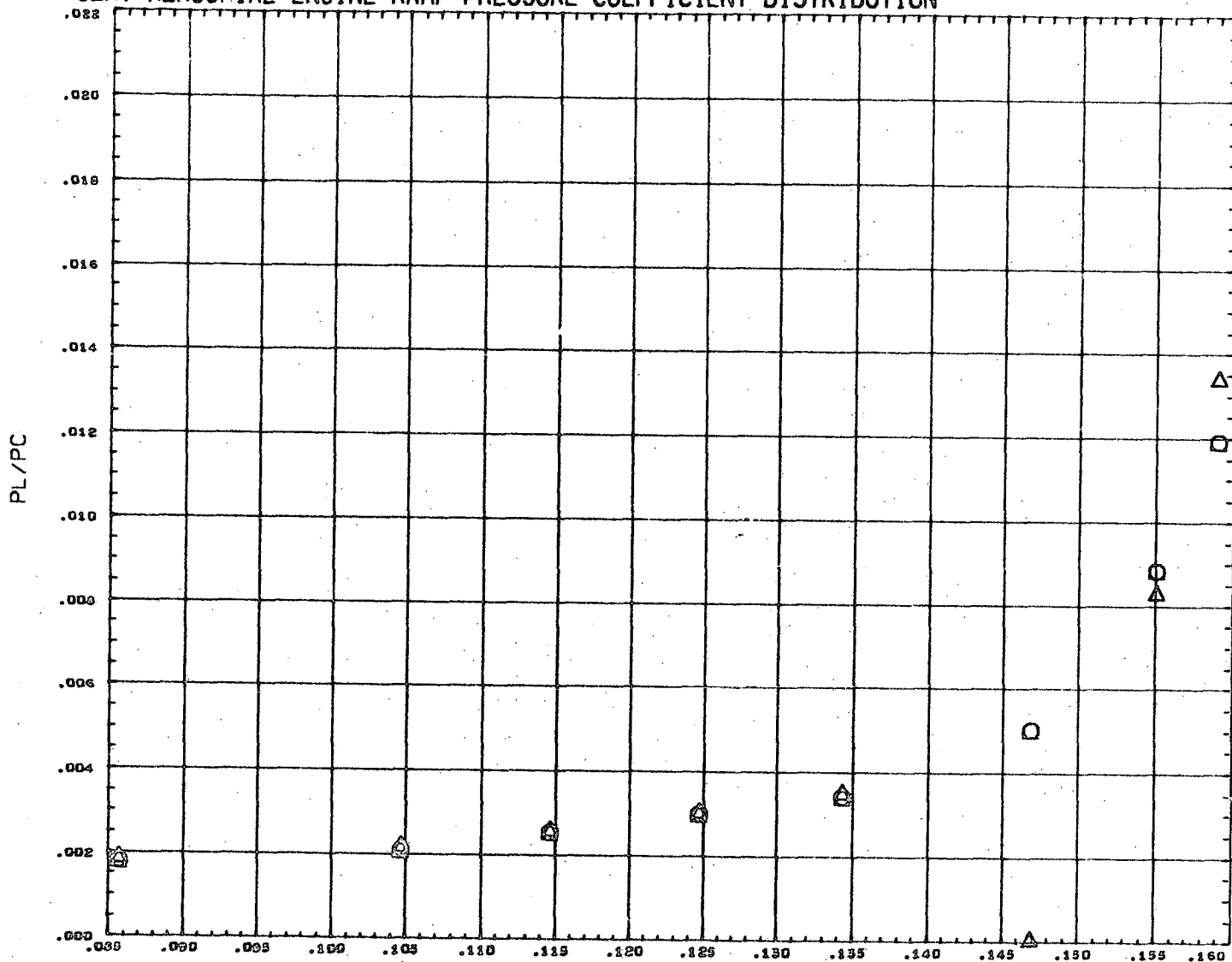
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 O 275.620 201.700 0.600
 Δ 315.000

SREF 572.557 58. IN.
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 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

08705006.F003E CC09 TN-AP-70-449

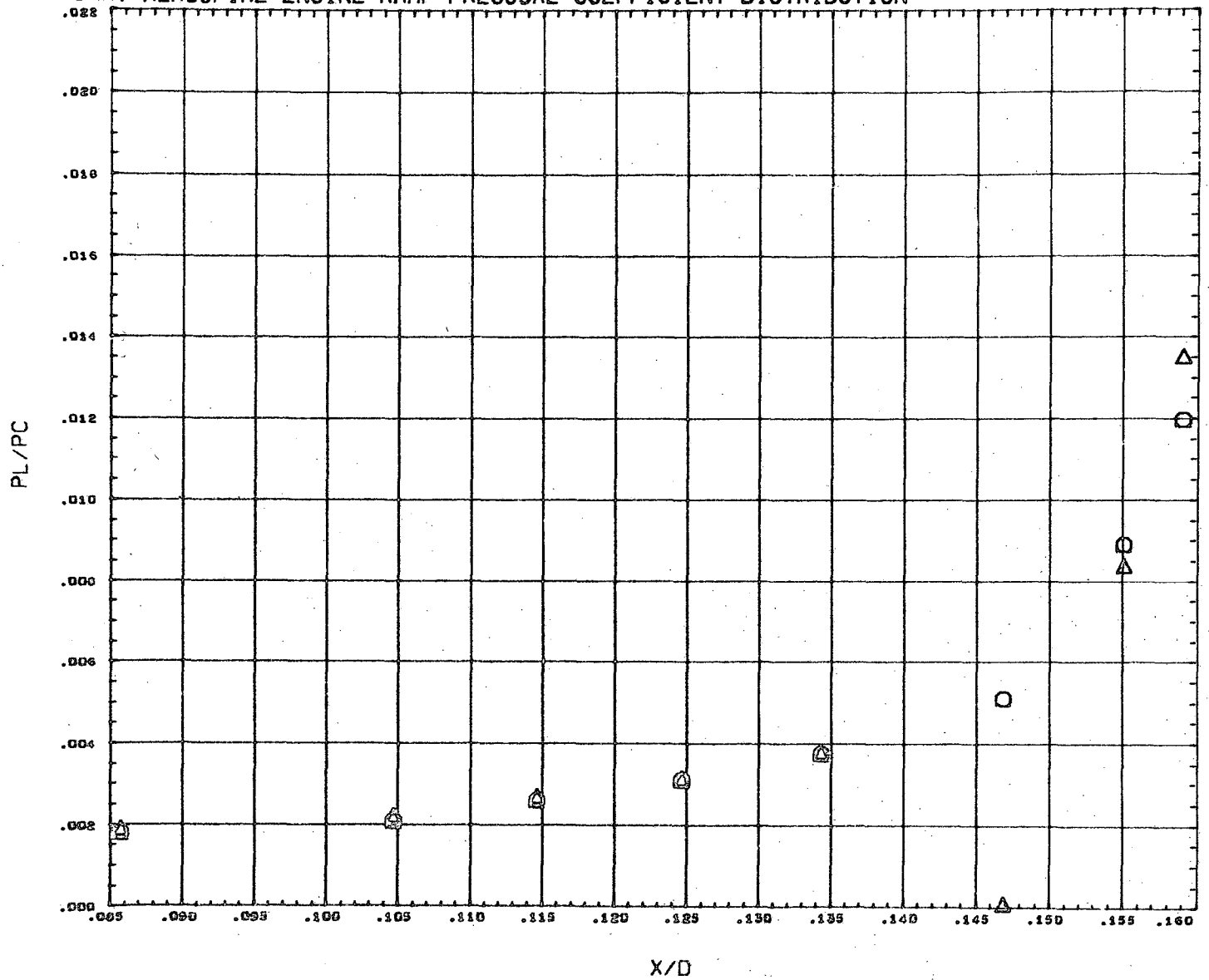
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	275.620	401.290	0.598	SREF	572.557	50.1N.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

00700000.F000E CC00 TN-AP-70-409

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 578.883 0.598
 Δ 315.000

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
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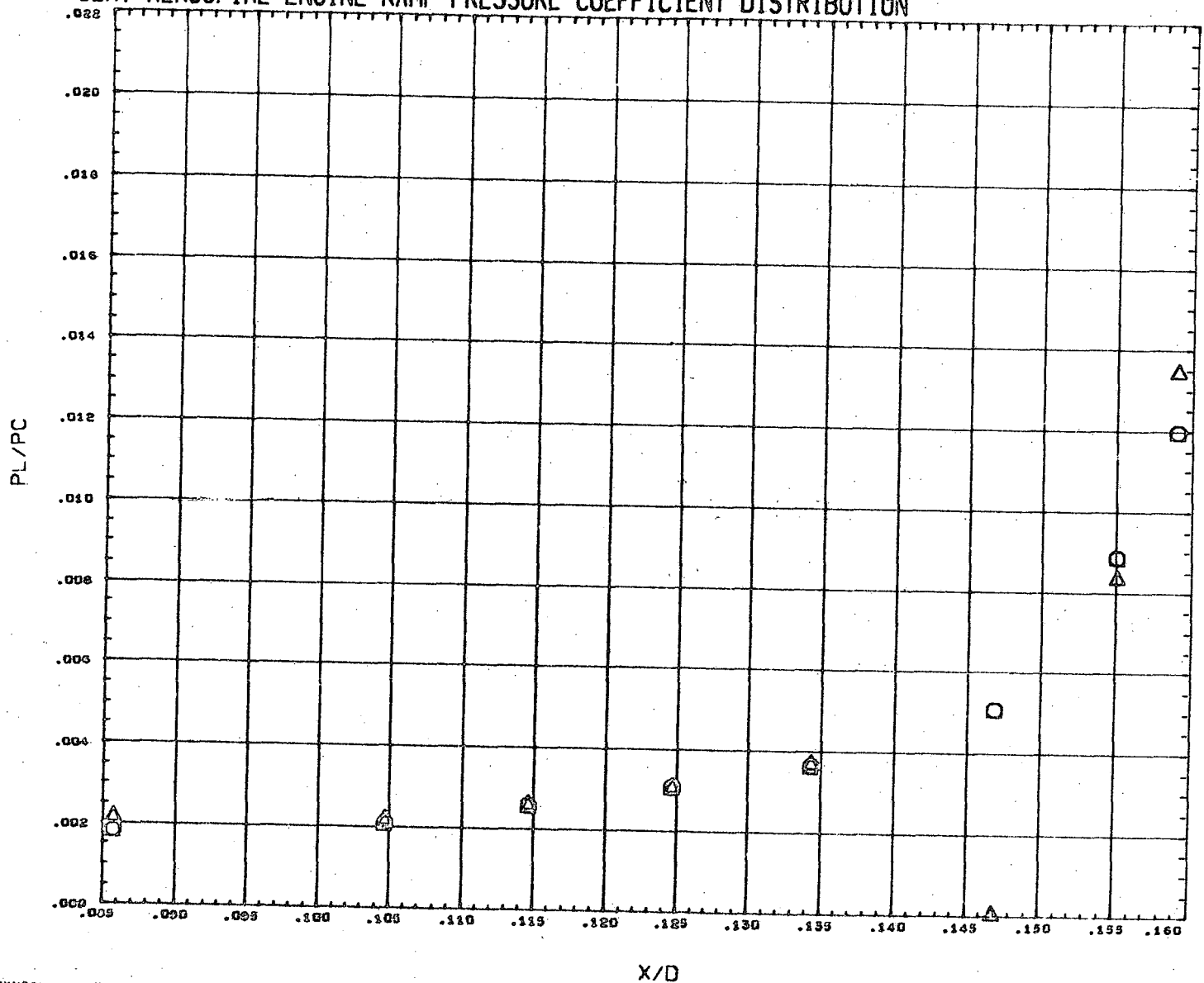
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA88868.FCC8E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 302.353 0.801
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
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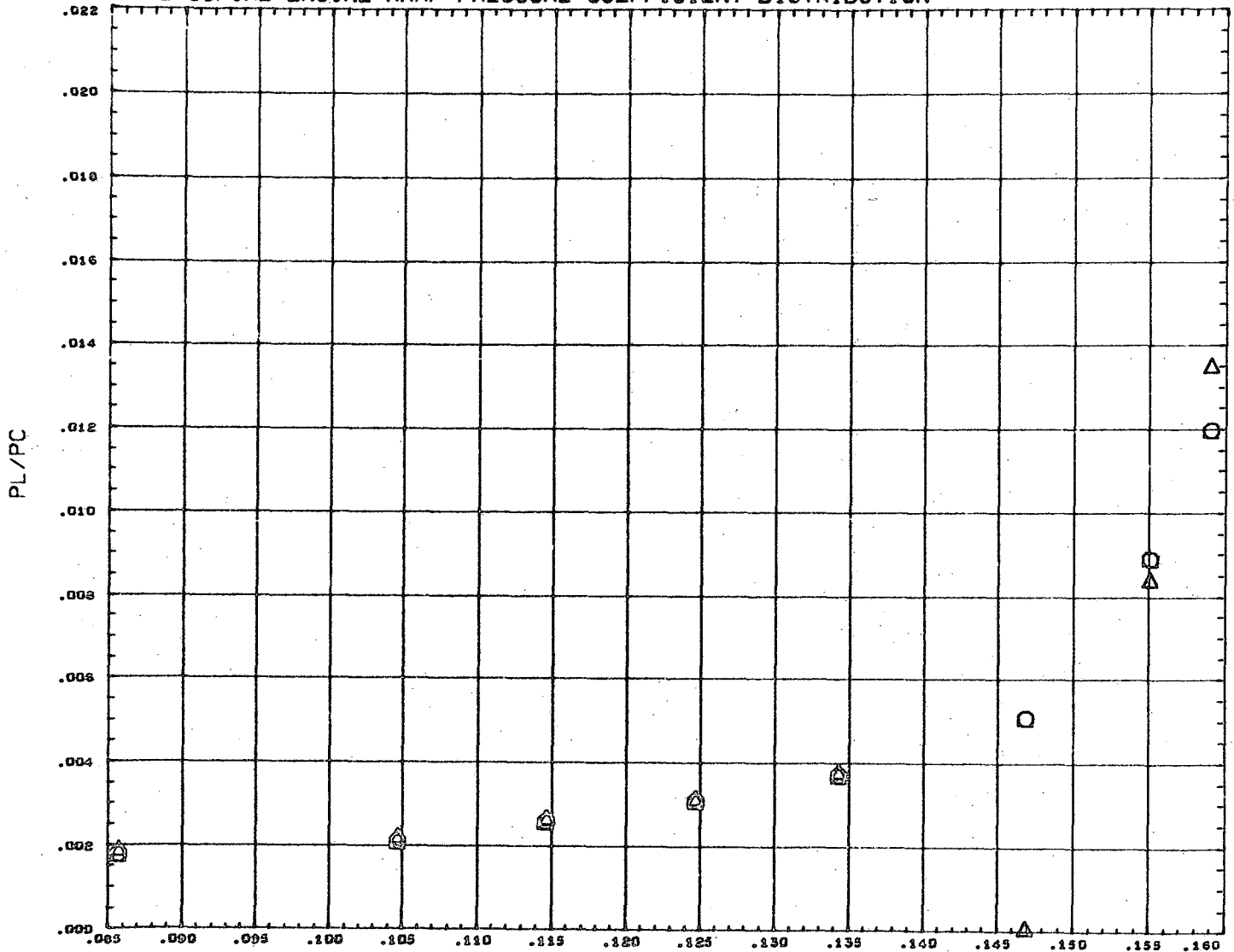
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

DATA SOURCE: F660E CCSD TN-AP-70-469

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



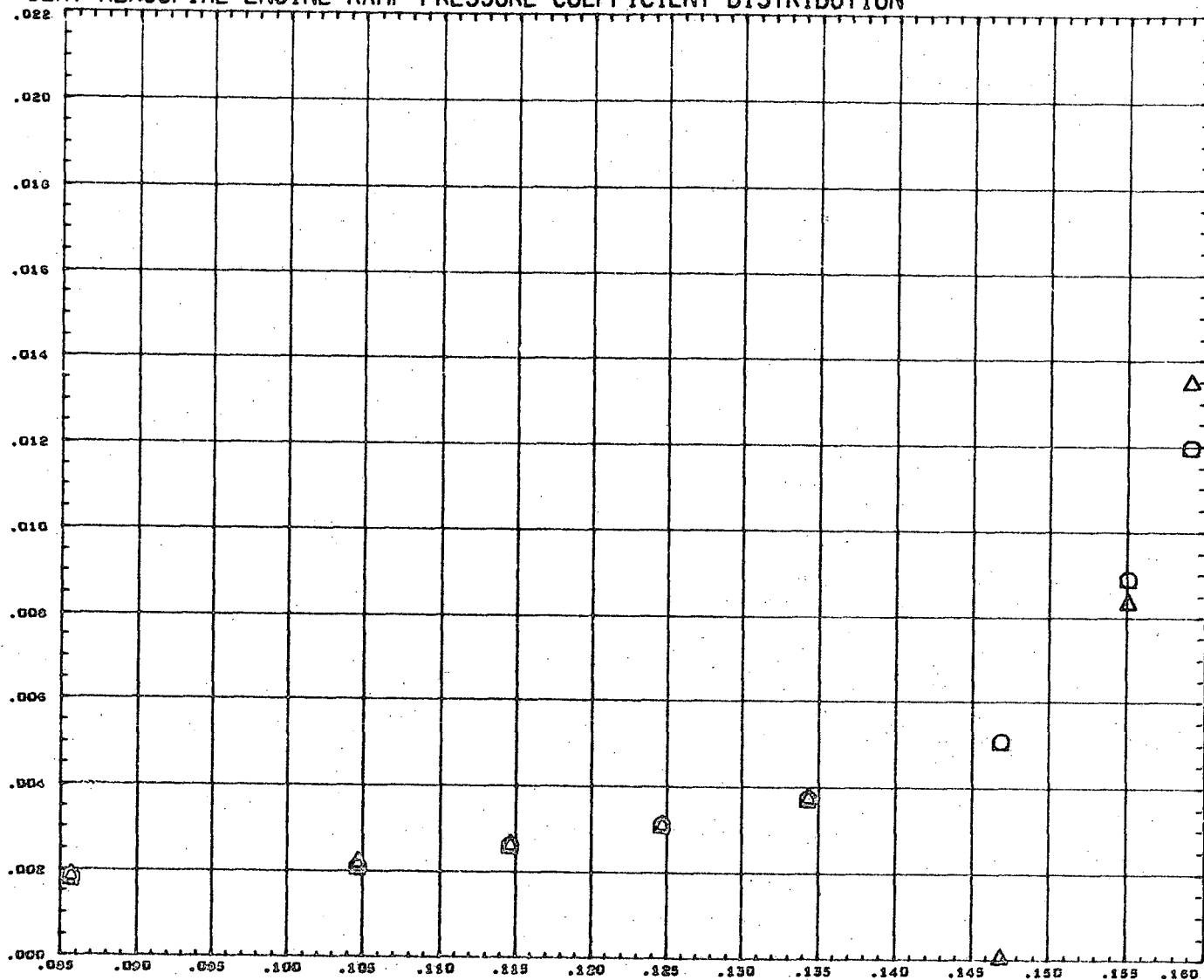
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 O 275.620 400.087 0.798
 Δ 315.000

SREF 572.557 50.1N.
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 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

BARB8888.FEC8E CC80 TN-AP-70-448

3d/7c



X/O.

SYMBOL	THETA	PRATIO	MACH
○	275.620	499.307	0.799
△	315.000		

SREF	572.537	SQ. IN.
LREF	27.000	INCHES
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YMRF	0.000	DIAMTR
ZMRF	0.000	DIAMTR

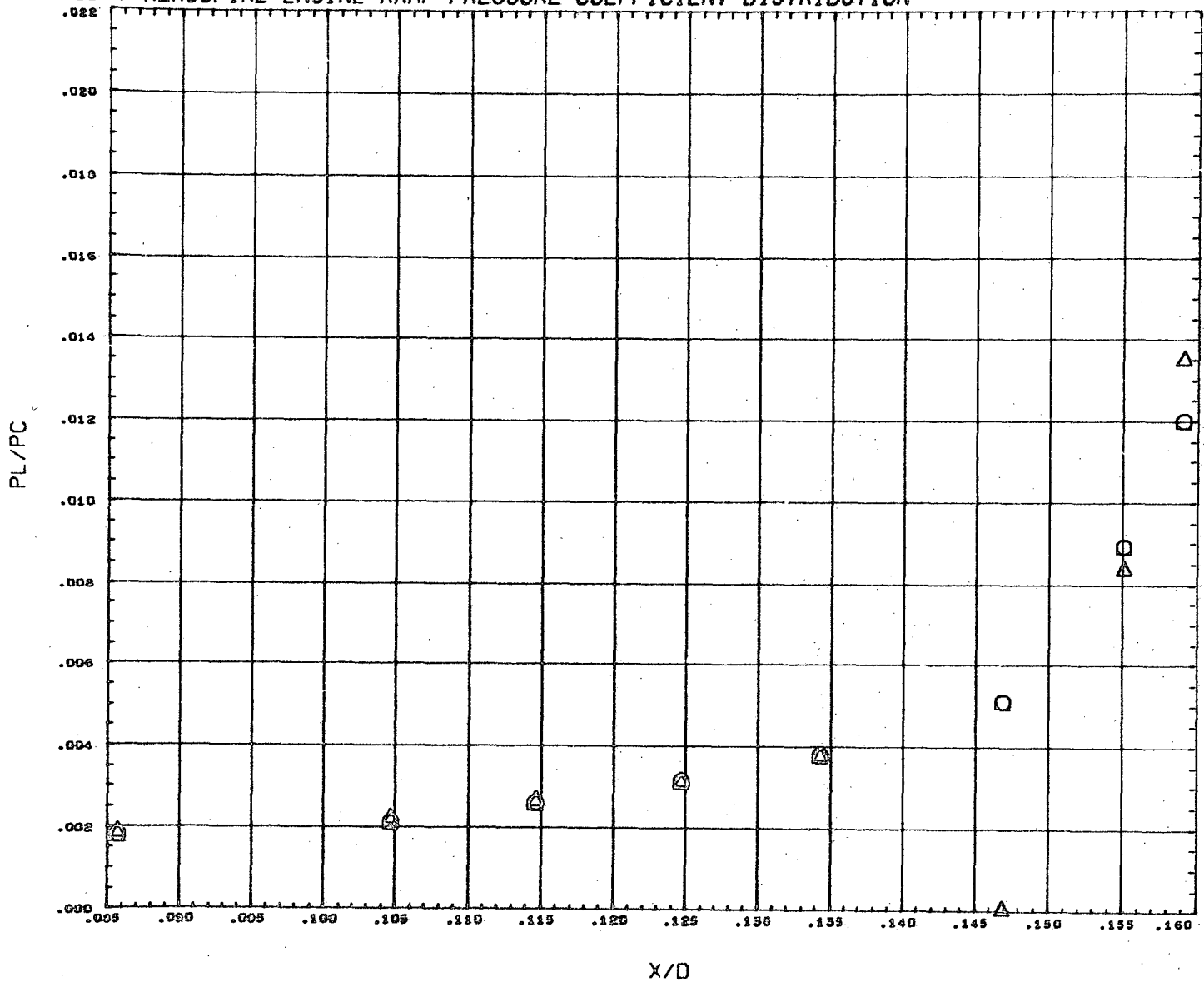
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FC	404.679	WS/WFC	0.000



00000000.F000E CC80 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



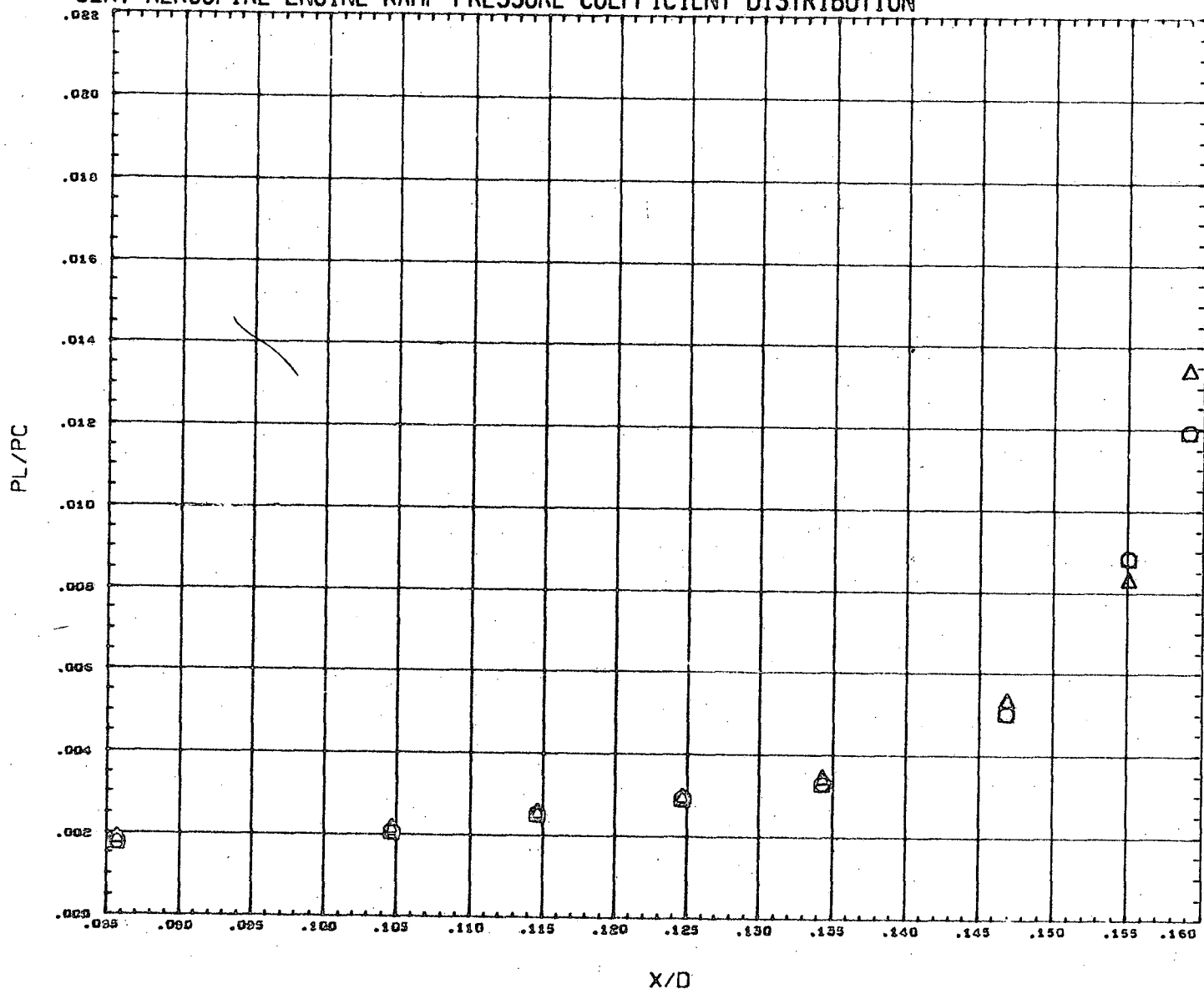
SYMBOL	THETA	FRATIO	MACH
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	315.000		

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LRF	27.000	inches
BRF	27.000	inches
XMR	0.000	diamtr
YMR	0.000	diamtr
ZMR	0.000	diamtr

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WFC	0.000

DATA868.F000E CCED TN-AP-70-449.

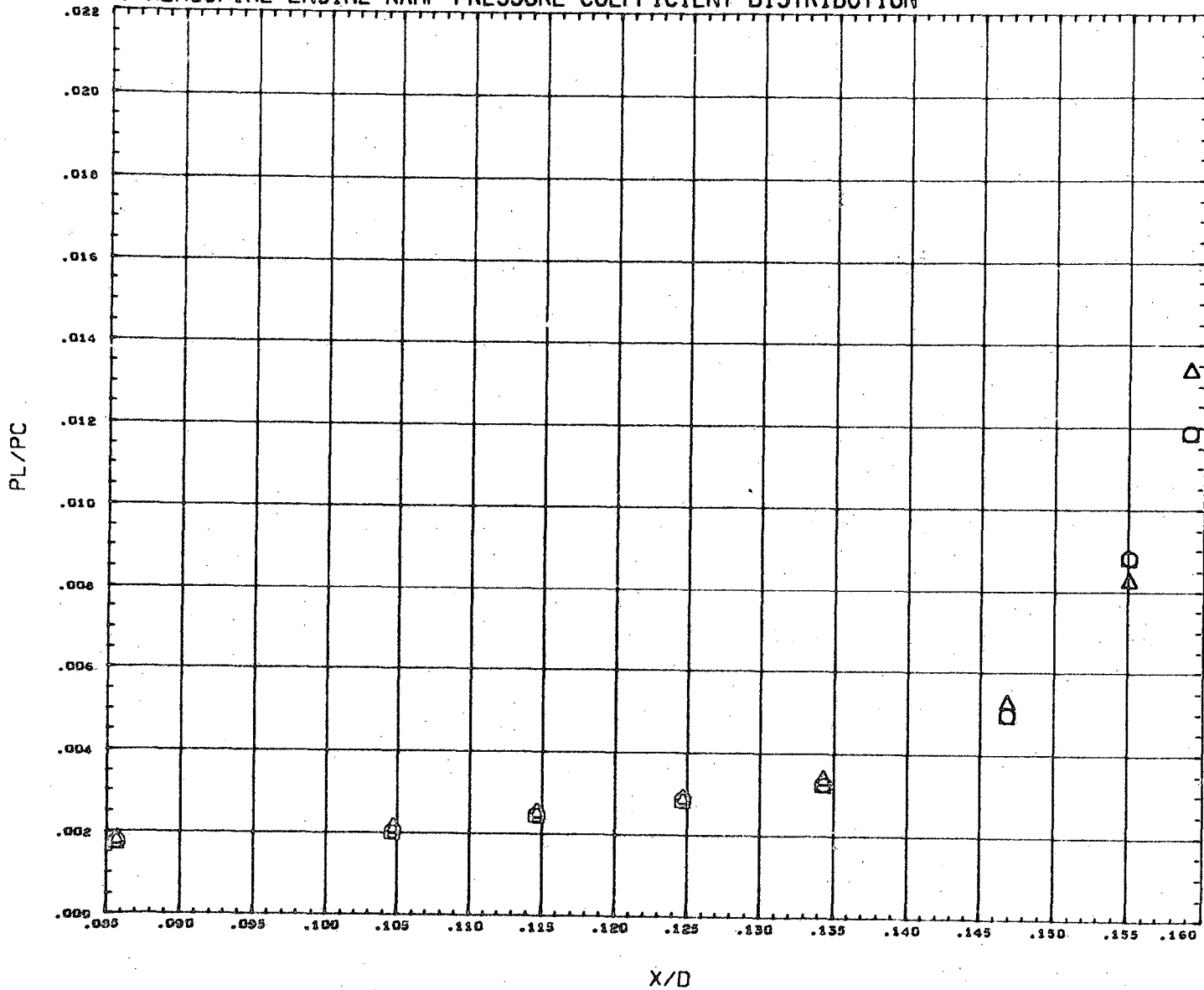
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
○	275.620	306.157	0.905	LREF	27.000	INCHES	PC	0.000	ALPHA
△	319.000			BREF	27.000	INCHES		404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

00000000.FE00E CC00 TH-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



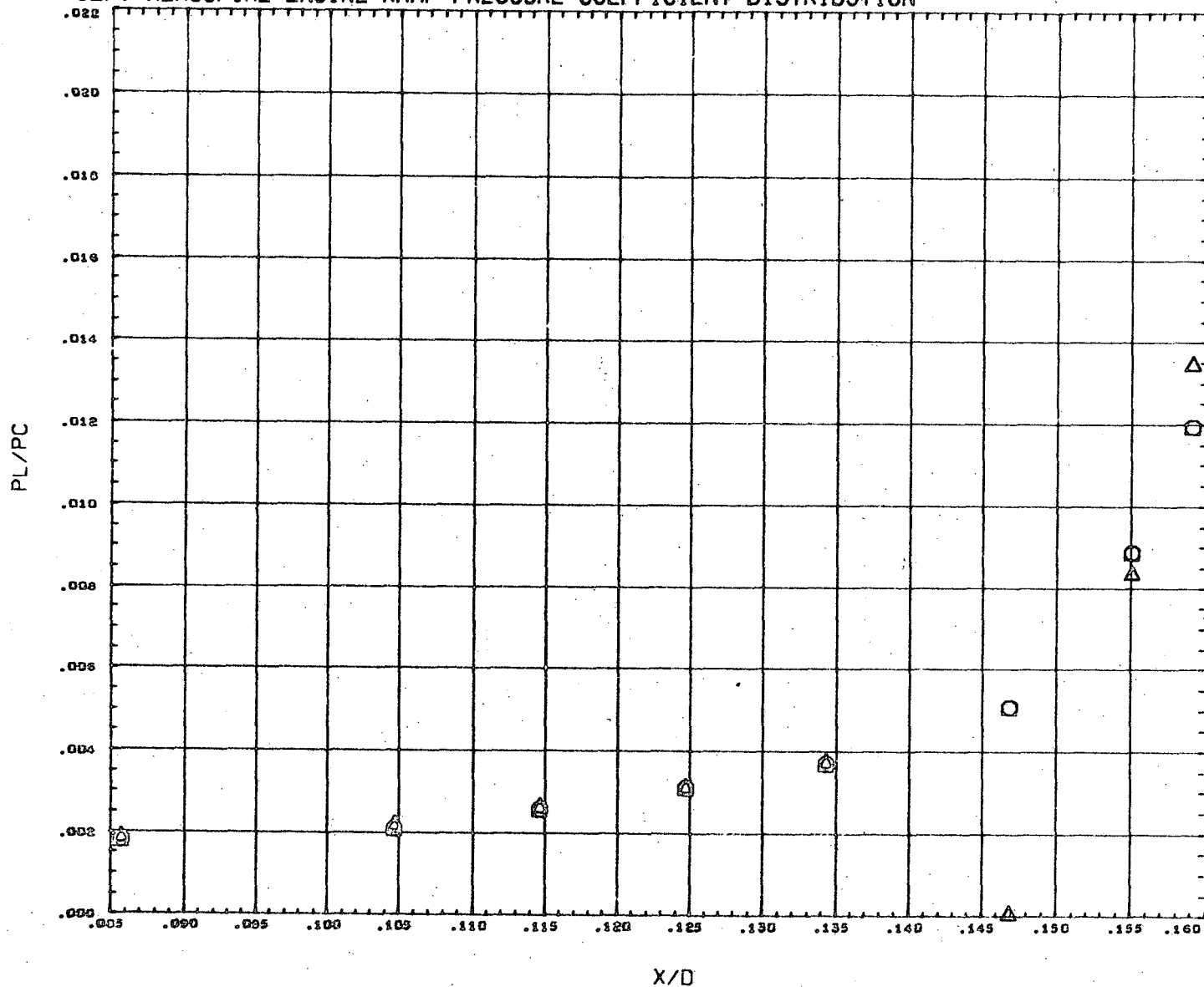
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○	275.620	399.707	0.900	LREF	27.000	INCHES	PC	0.000	ALPHA
△	315.000			BREF	27.000	INCHES		404.679	WS/WFC
				XMRP	0.000	DIANTR			0.000
				YMRP	0.000	DIANTR			
				ZMRP	0.000	DIANTR			

OVERBOARD FLOW CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 600.200 0.095
 A 315.000

SREF 572.557 50.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

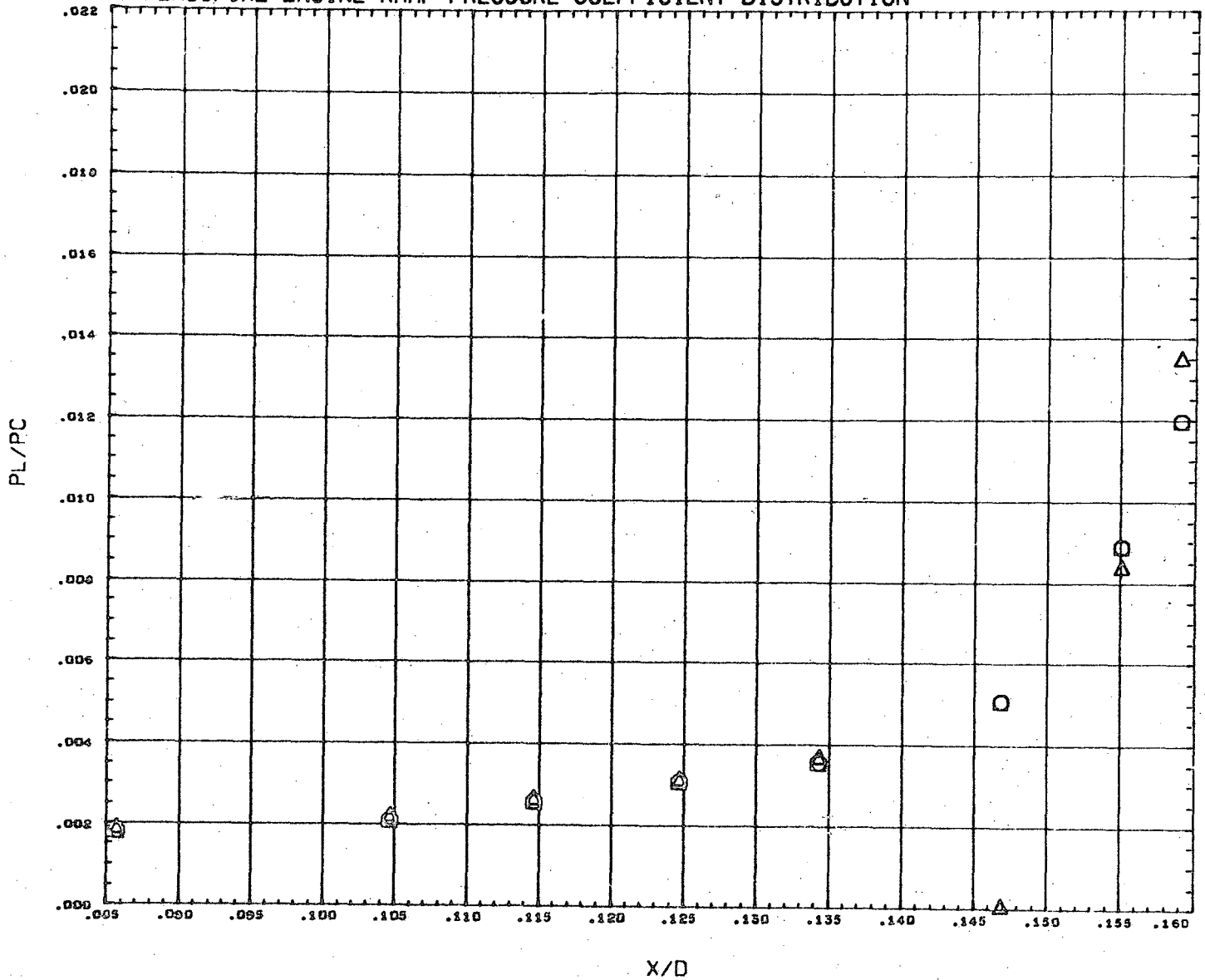
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

00708006.F000E CCSD TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 812.557 0.902
 △ 315.000

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

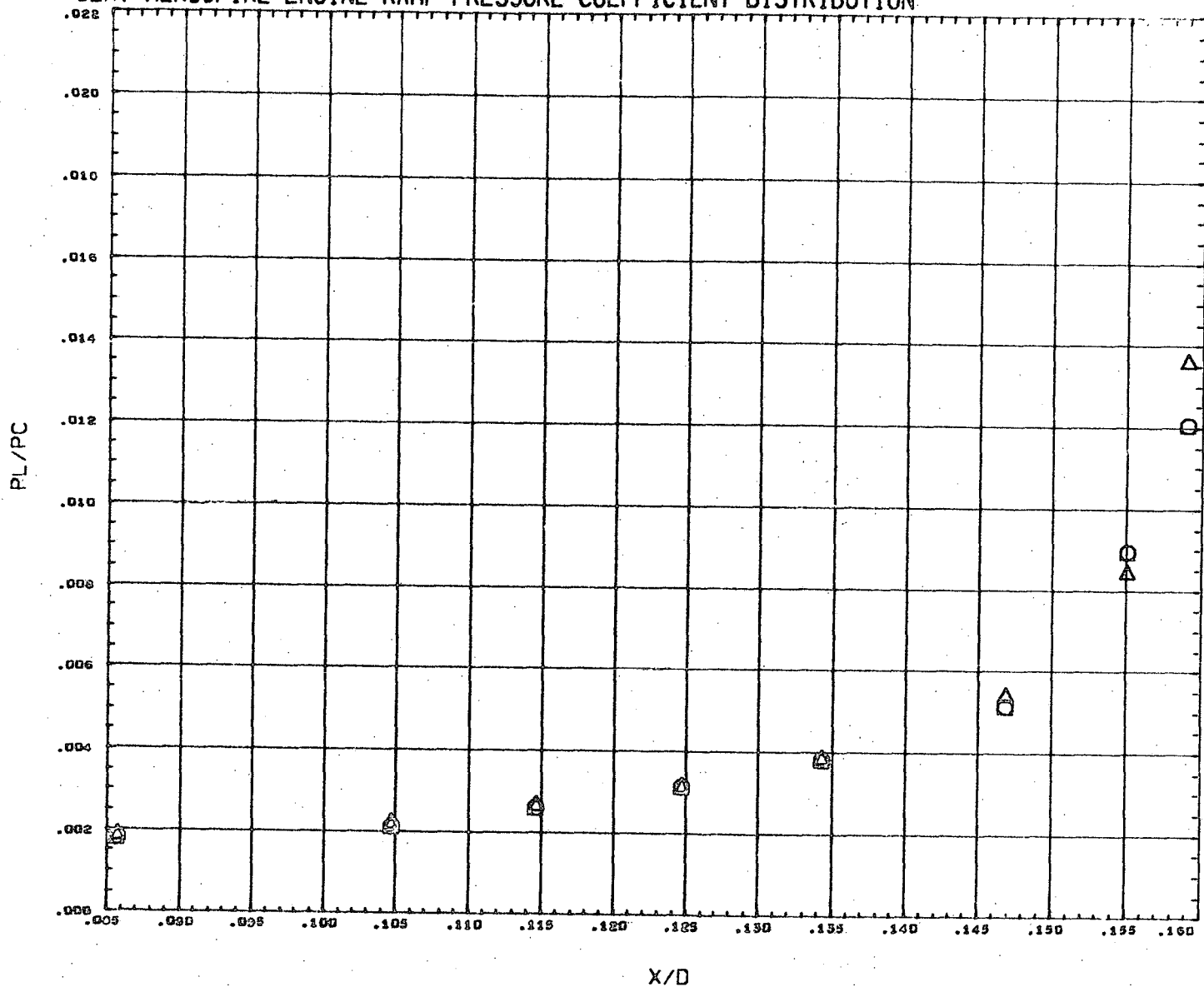
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

DATA SOURCE: FIGURE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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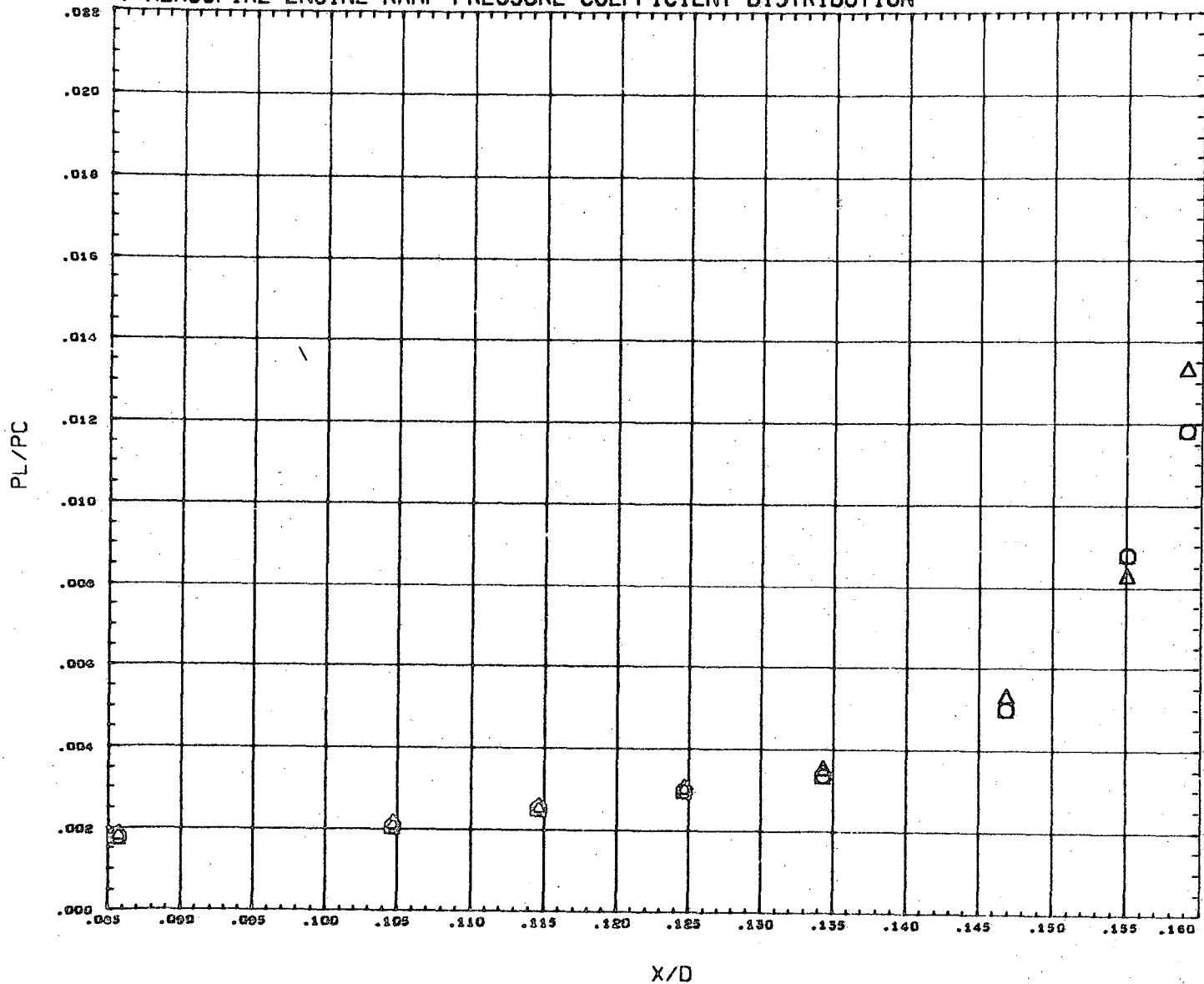
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
○	275.620	395.993	1.100	LREF	27.000	INCHES	0.000	ALPHA	0.004
△	315.000			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XHRF	0.000	DIAMTR			0.000
				YHRF	0.000	DIAMTR			
				ZHRF	0.000	DIAMTR			

05065000.F0006 CC89 TH-AP-70-445

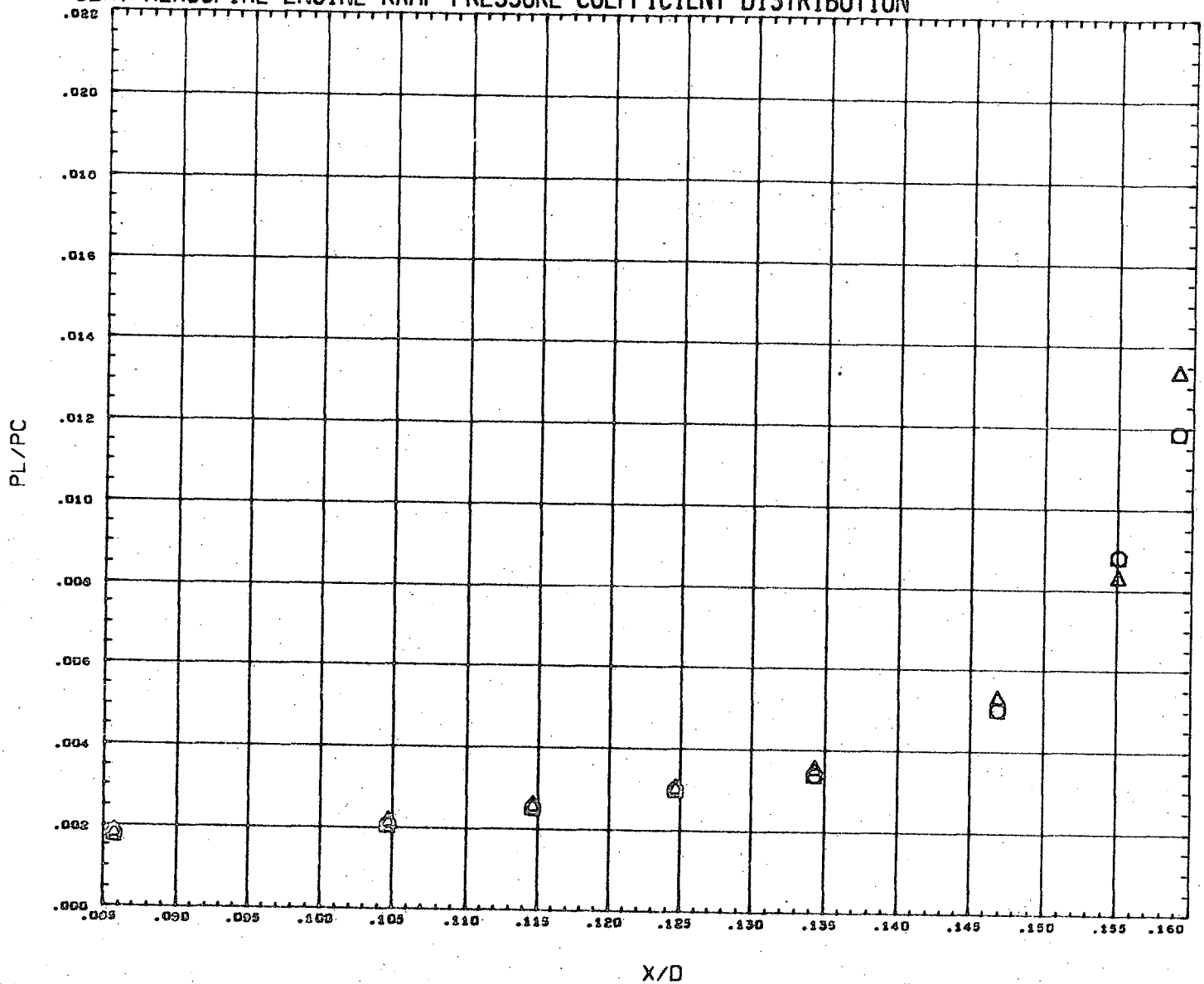
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.957	58.IN.	E/DOOR	PARAMETRIC VALUES	
○	275.620	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	315.000			BREF	27.000	INCHES		404.679	WS/WFC 0.000
				XMRP	0.000	DIAHTR			
				YMRP	0.000	DIAHTR			
				ZMRP	0.000	DIAHTR			

00708000.FE00E CCSD TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 599.127 1.009
 A 315.000

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

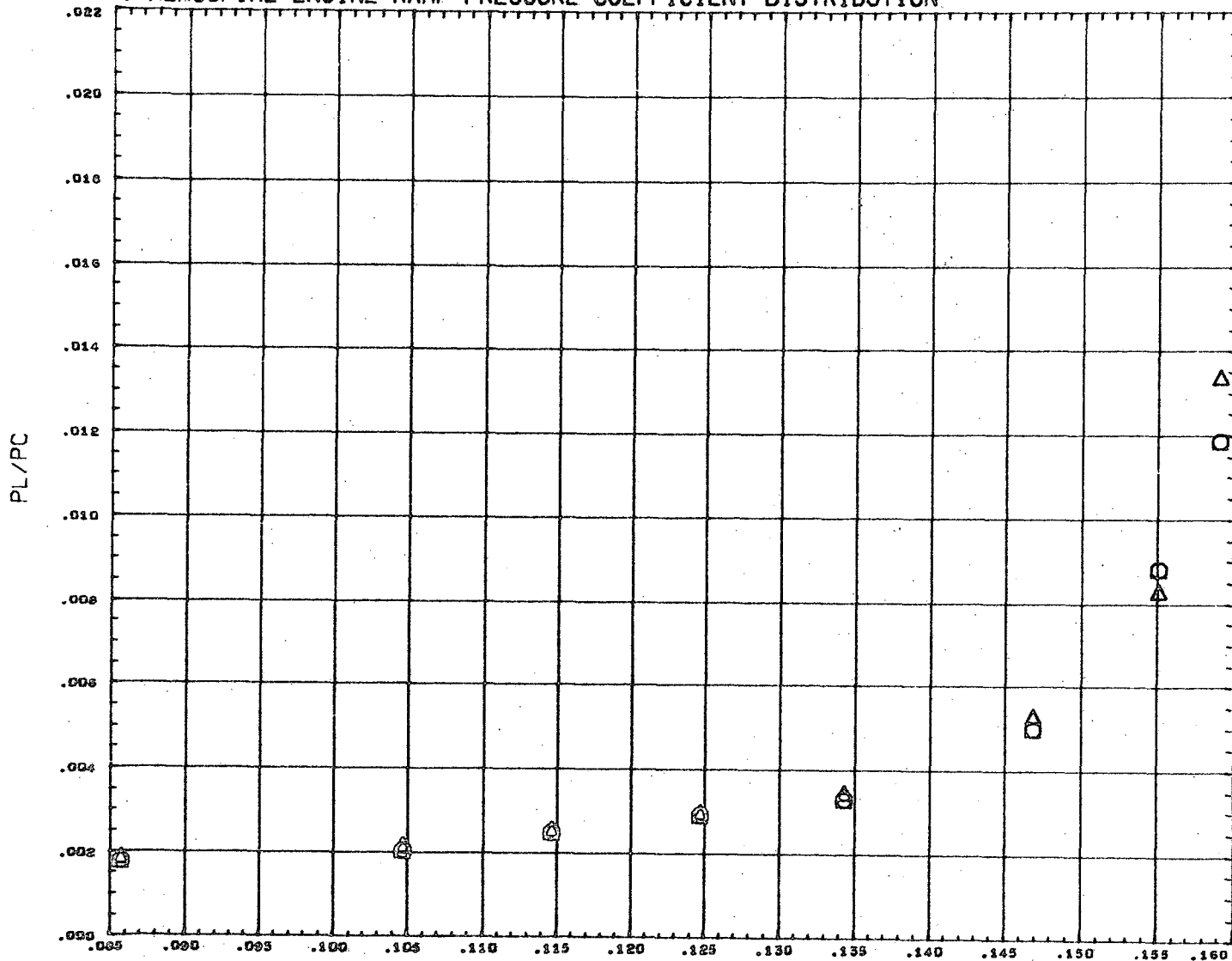
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

08050000.F000E CC89 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.620 406.123 1.254
 △ 315.000

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

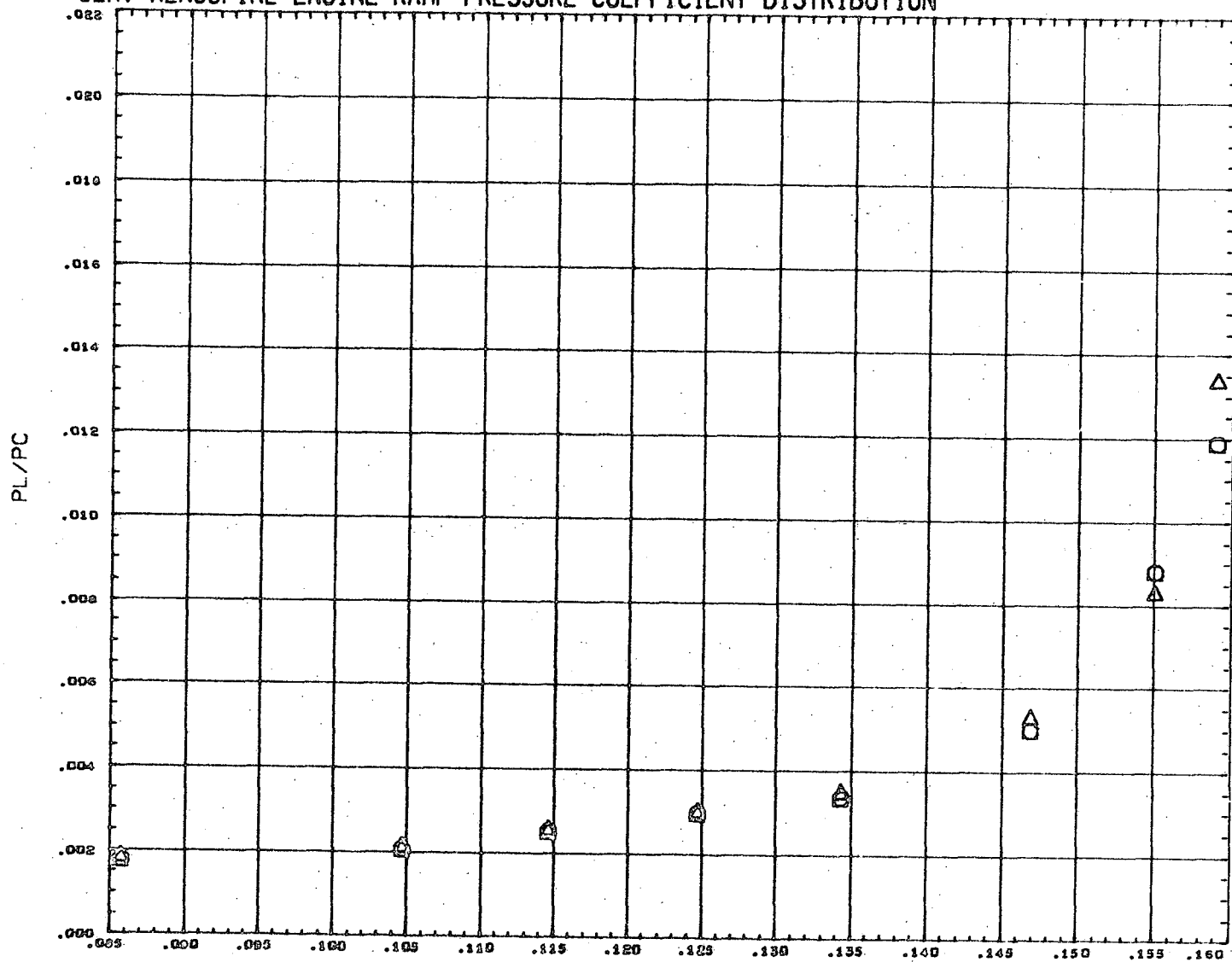
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

00080000.FEC0E CC00 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



X/D

SYMBOL THETA PRATIO MACH
 O 275.620 751.932 1.261
 Δ 315.000

SREF 572.557 58. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

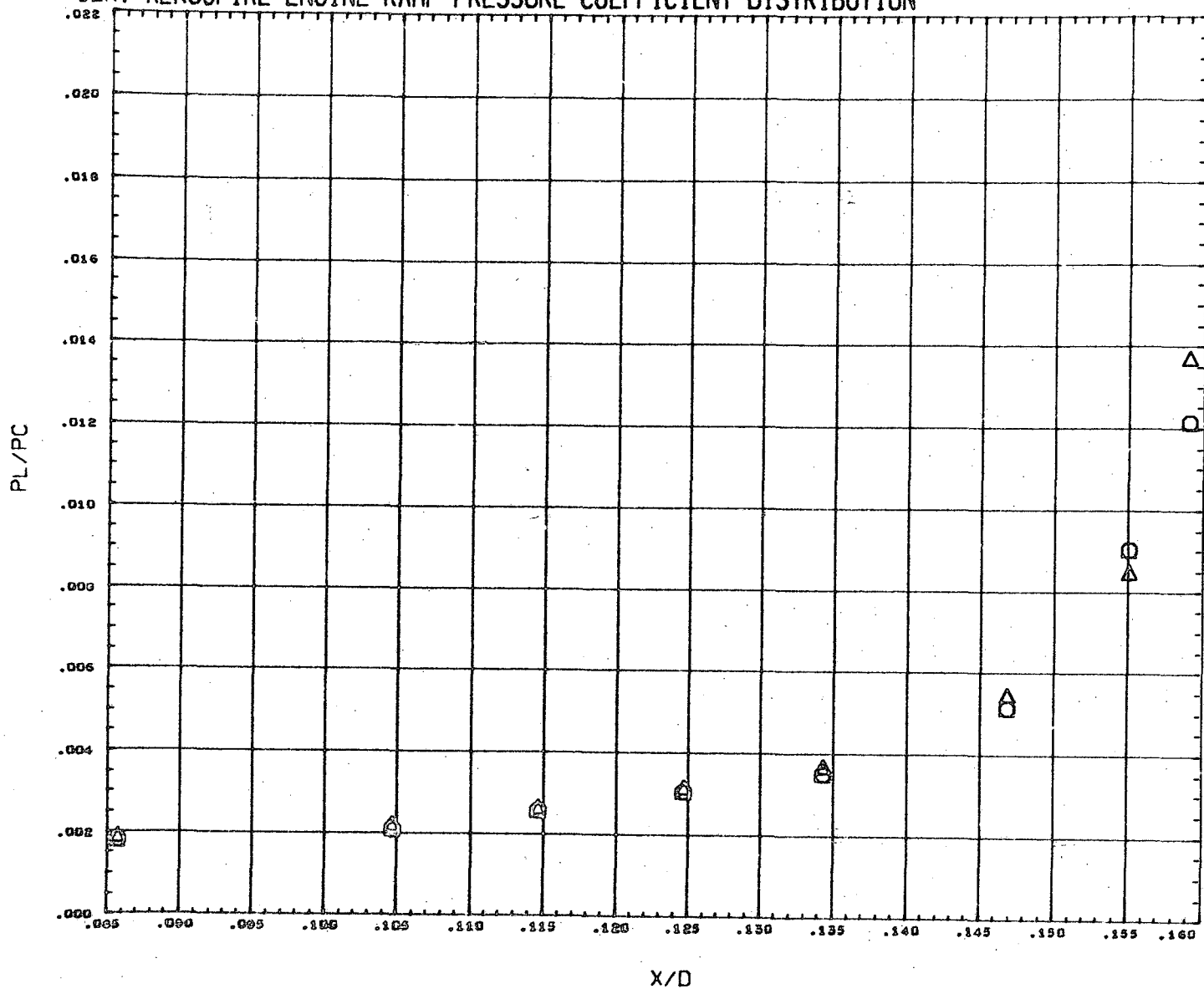
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

0070R000.FIG02 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	275.620	831.960	1.248
△	315.000		

SREF	572.557	SQ.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

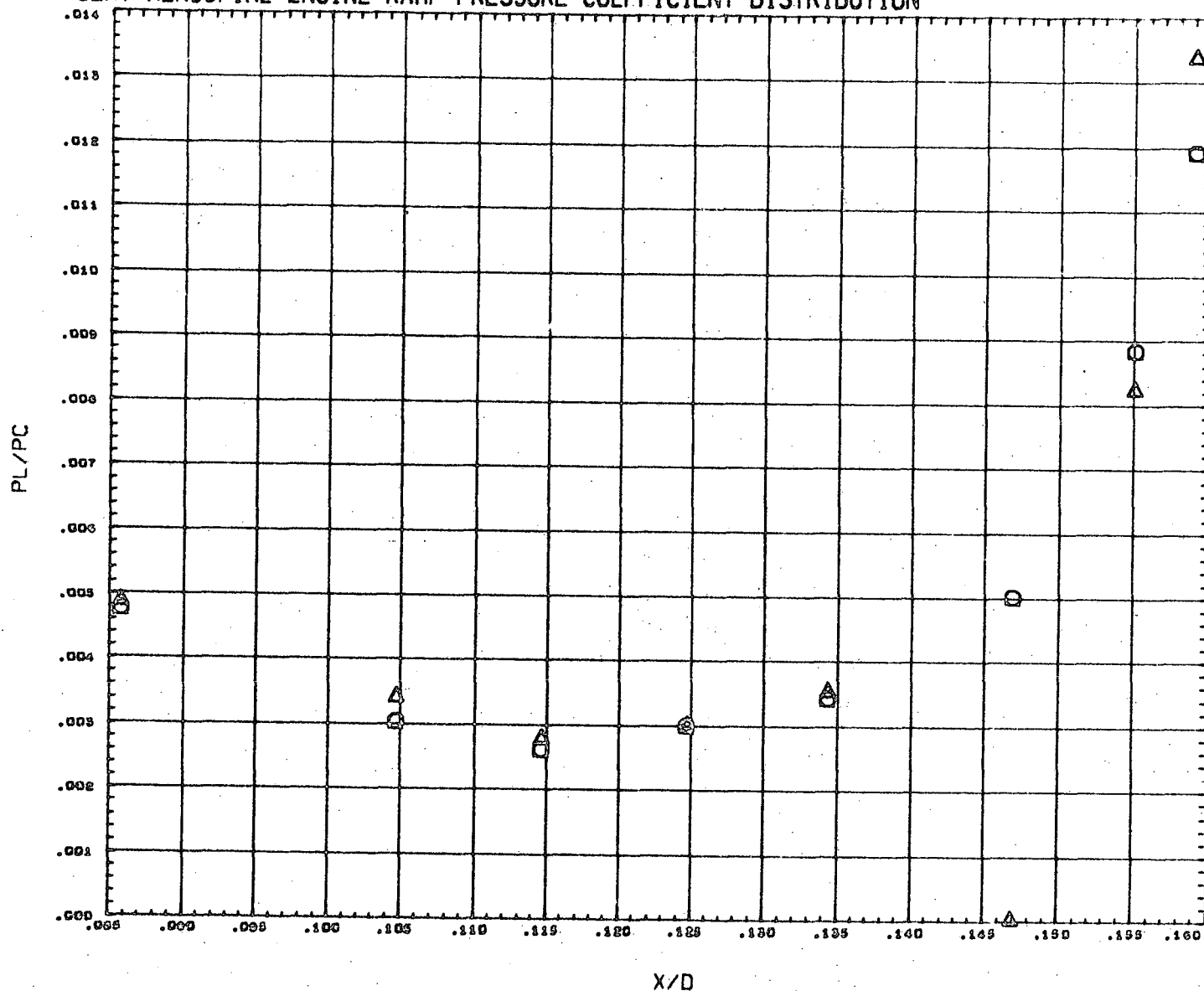
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

DETERMINED FROM CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIC MACH
 O 275.620 202.083 0.599
 Δ 313.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 SREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

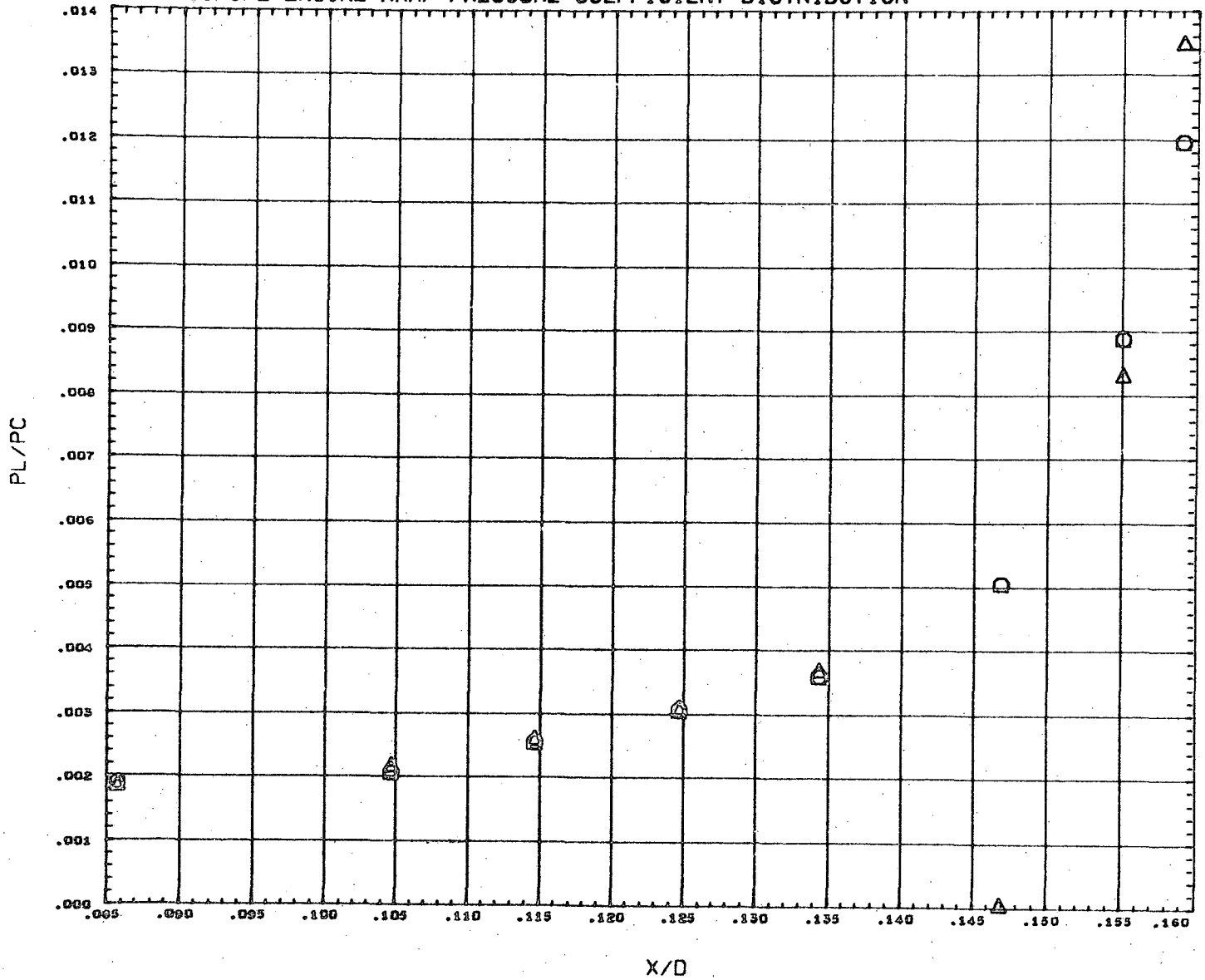
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.896 WS/WPC 0.000

DATA BASED .FECSE CCOD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 299.500 0.801
 A 315.000

SREF 572.557 SQ. IN.
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 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
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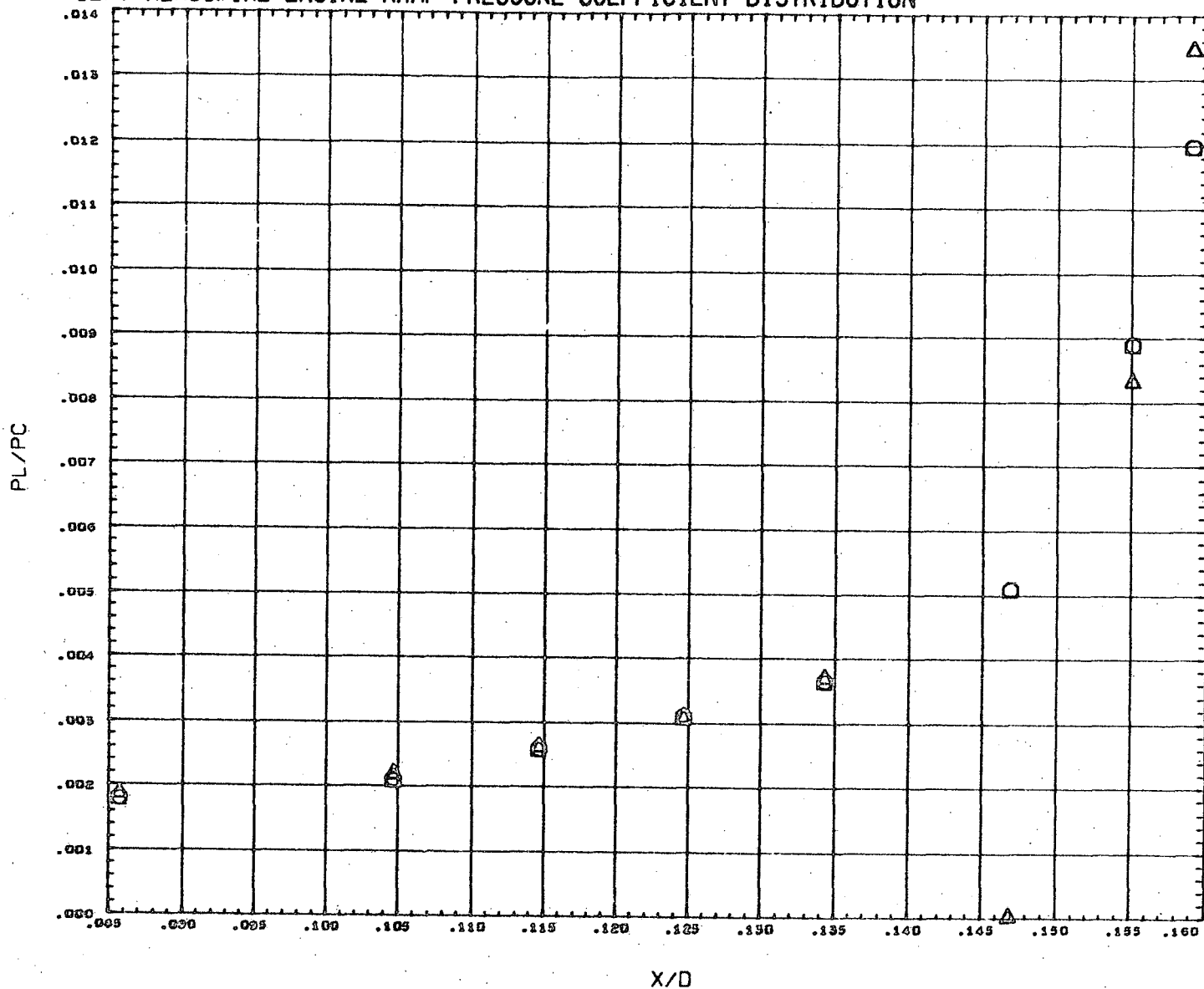
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

DETERMINED BY FORCE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



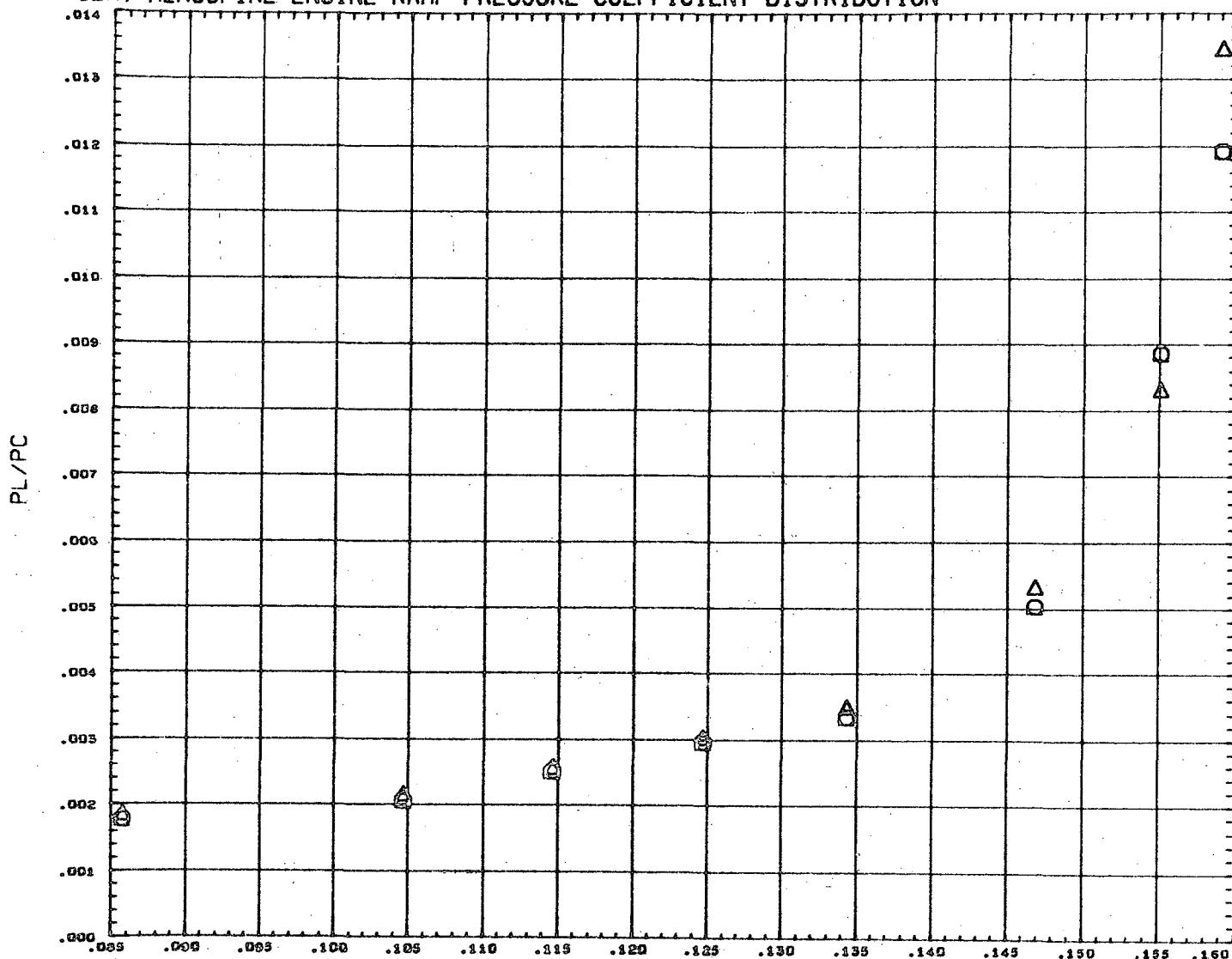
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○	275.620	398.487	0.899	SREF	572.557	50.1N.	E/DOOR	0.000	ALPHA	8.022
△	315.000			LREF	27.000	INCHES	PC	402.996	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

00000000.F000E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 402.407 1.150
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
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 XMRP 0.000 DIAMTR
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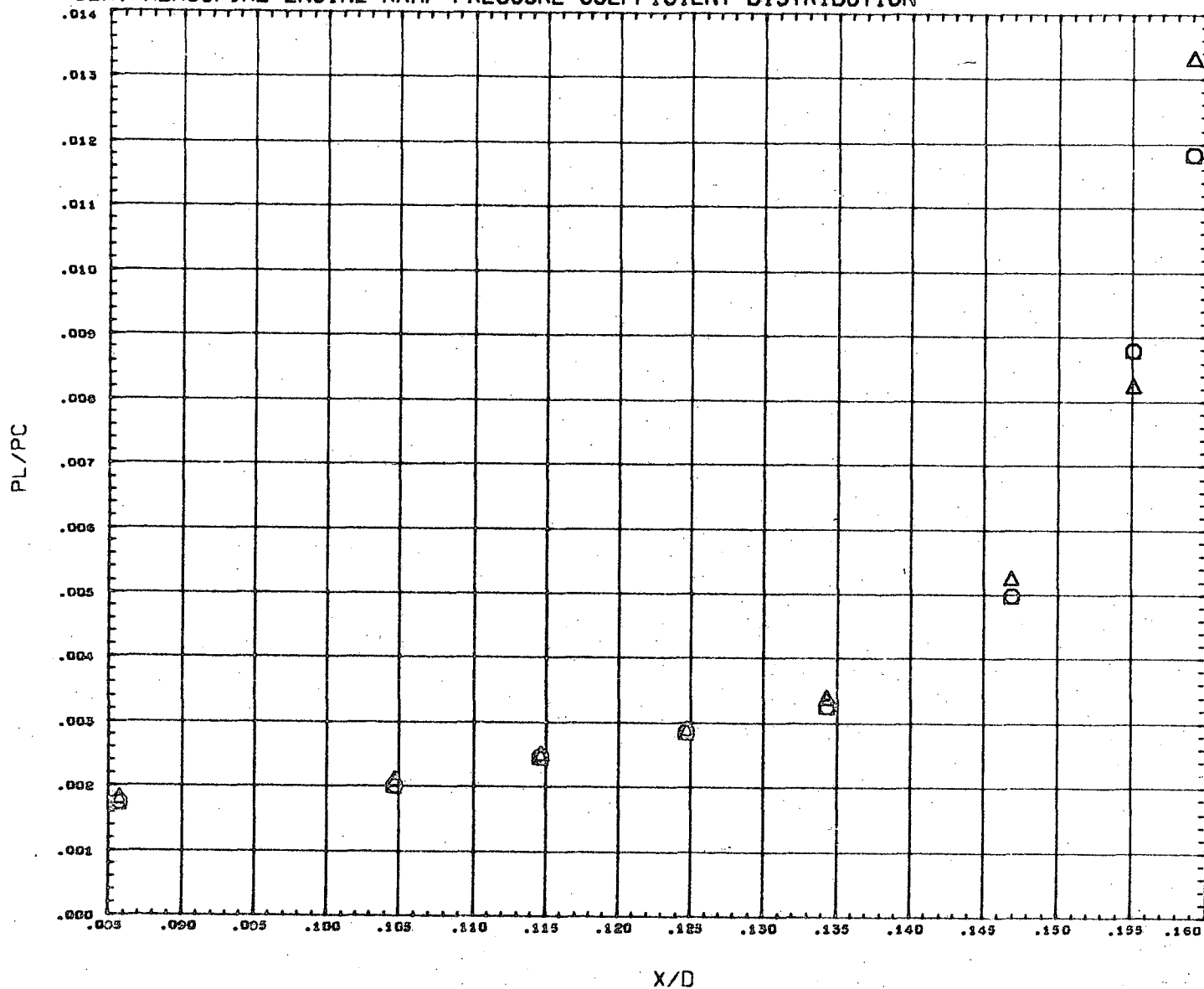
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 PC 402.996 WS/WPC 0.000

00000000.F000E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



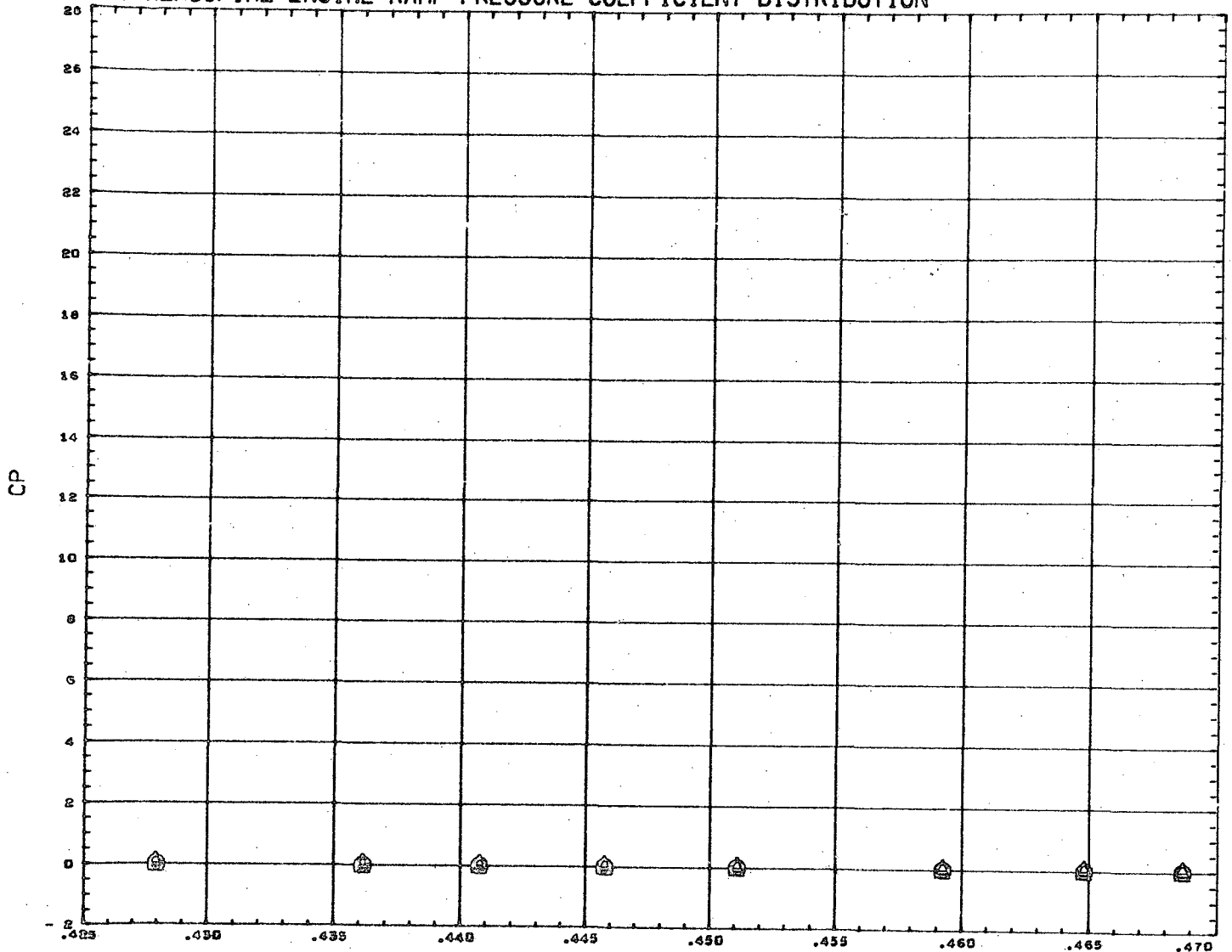
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○	275.620	400.737	1.253	SREF	572.557	58.IN.	E/DOOR	0.000	ALPHA	8.022
△	315.000			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

005180001.F002E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	275.620	125.000	0.086
△	315.000		

SREF	572.557	58. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

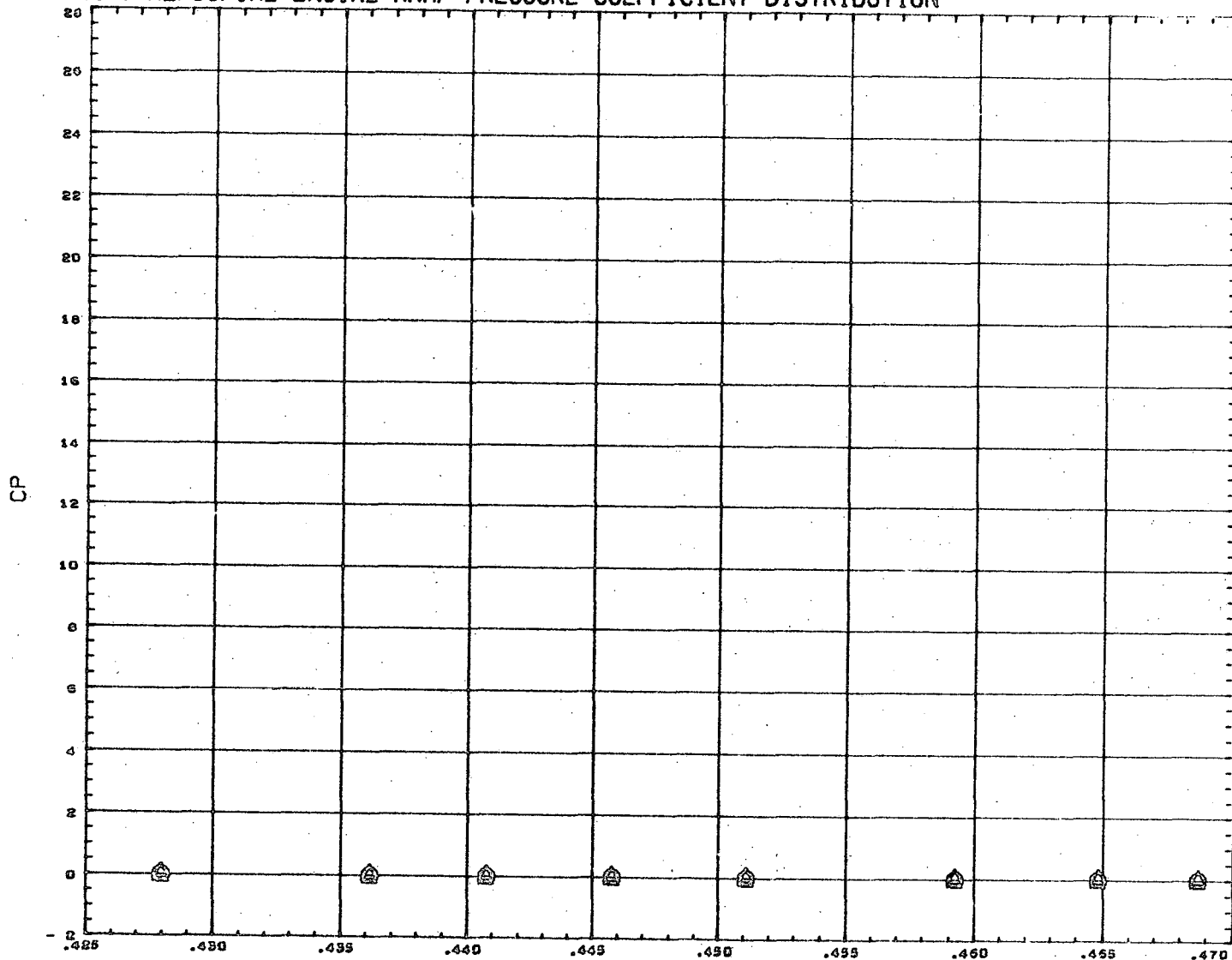
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

087080966.F600E CCSD TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

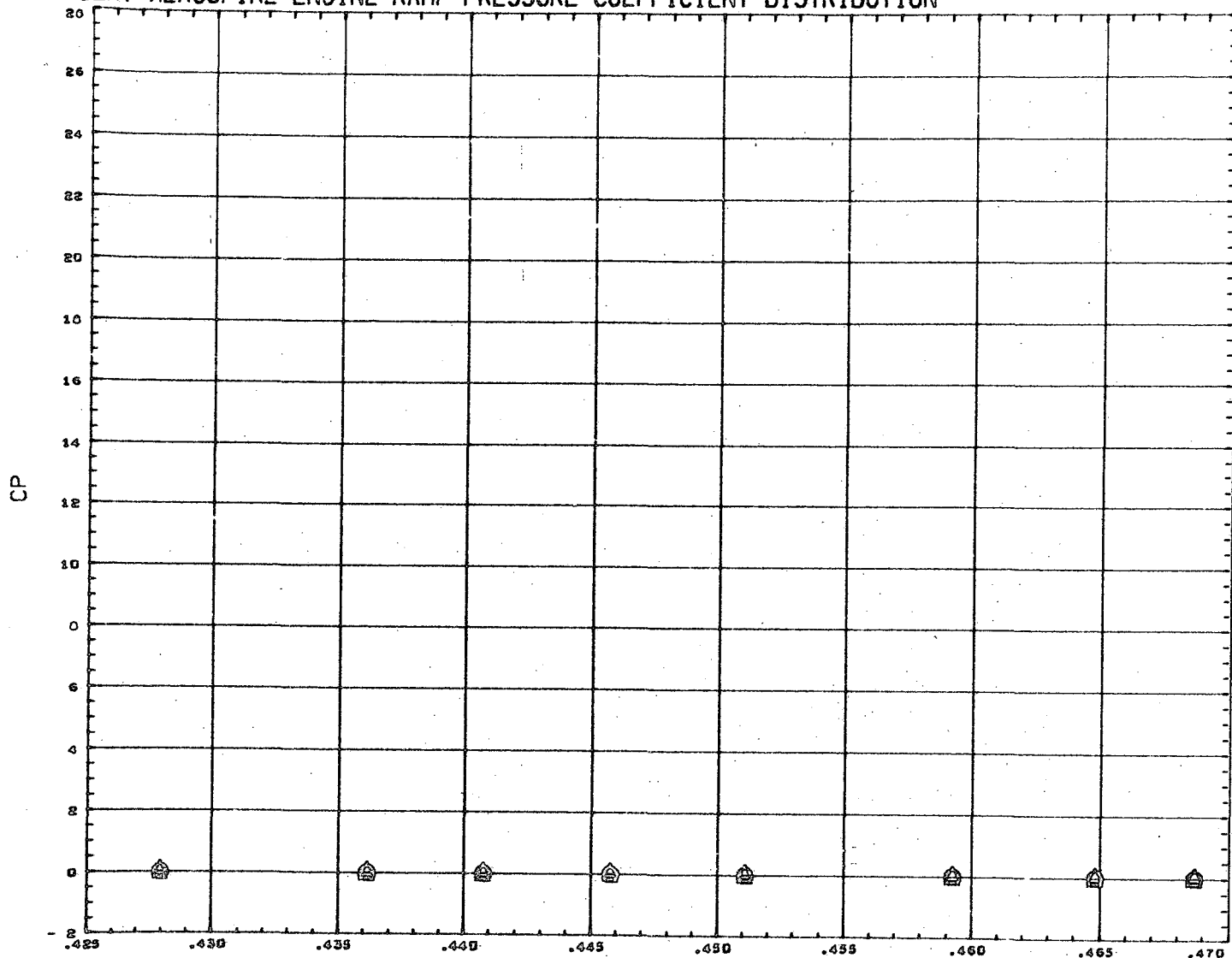
SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
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Δ	315.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DATA REUSE FILE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Δ 275.620 200.173 0.086
 315.000

SREF 572.557 SQ.IN.
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 BREF 27.000 INCHES
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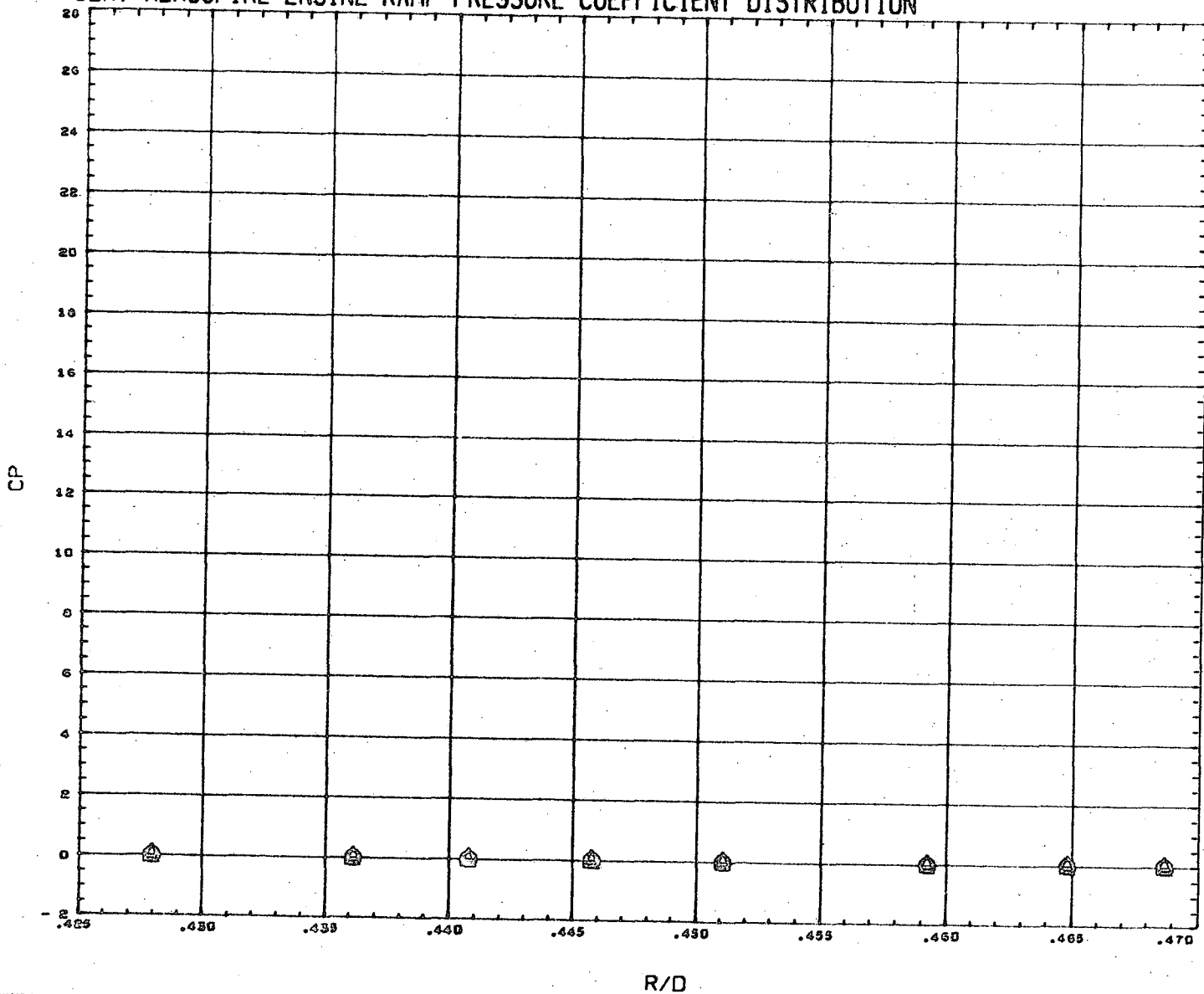
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA SOURCE: FCLSE CCSD TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 Δ 275.620 304.463 0.074
 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
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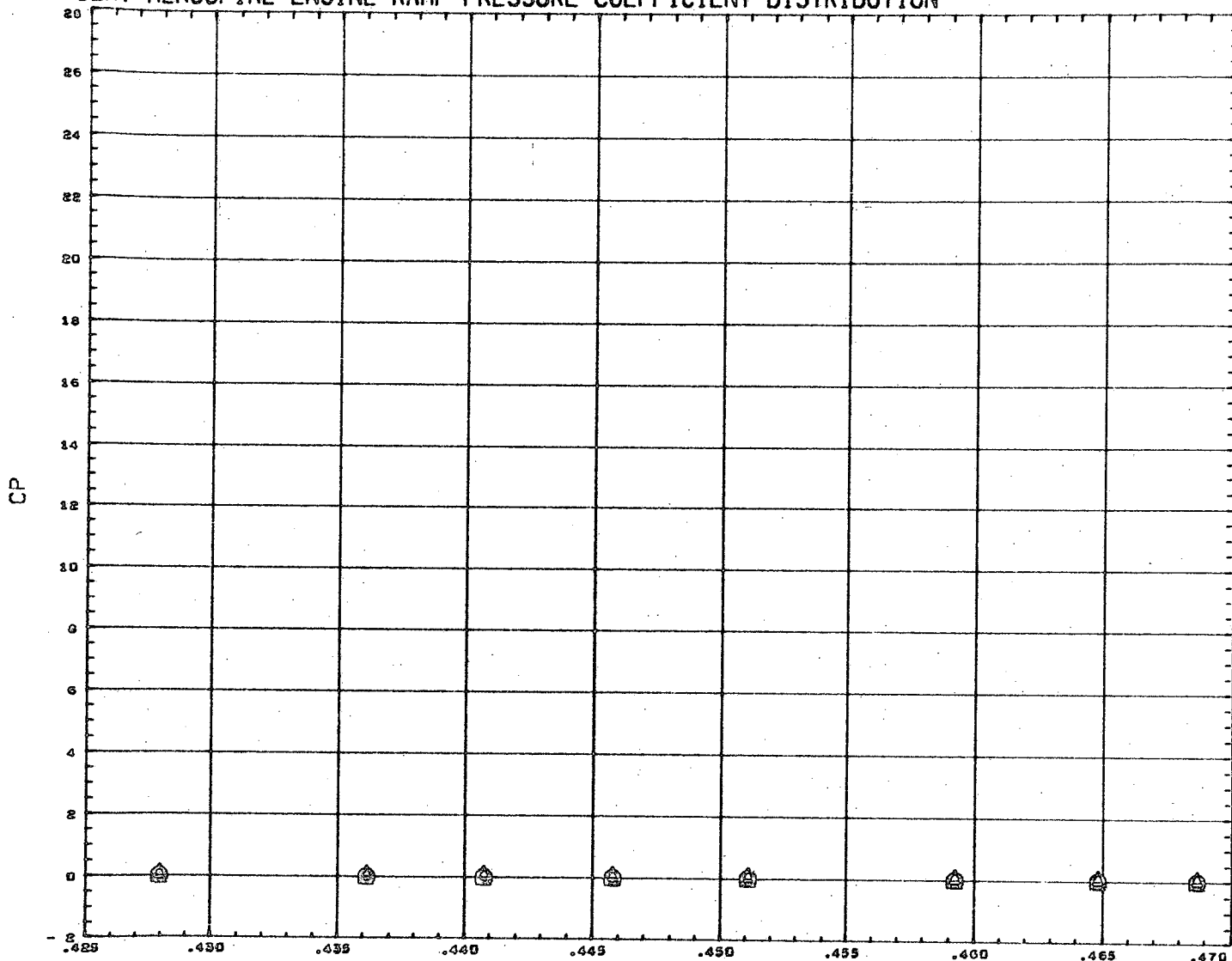
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA BASE FILE CCSD TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



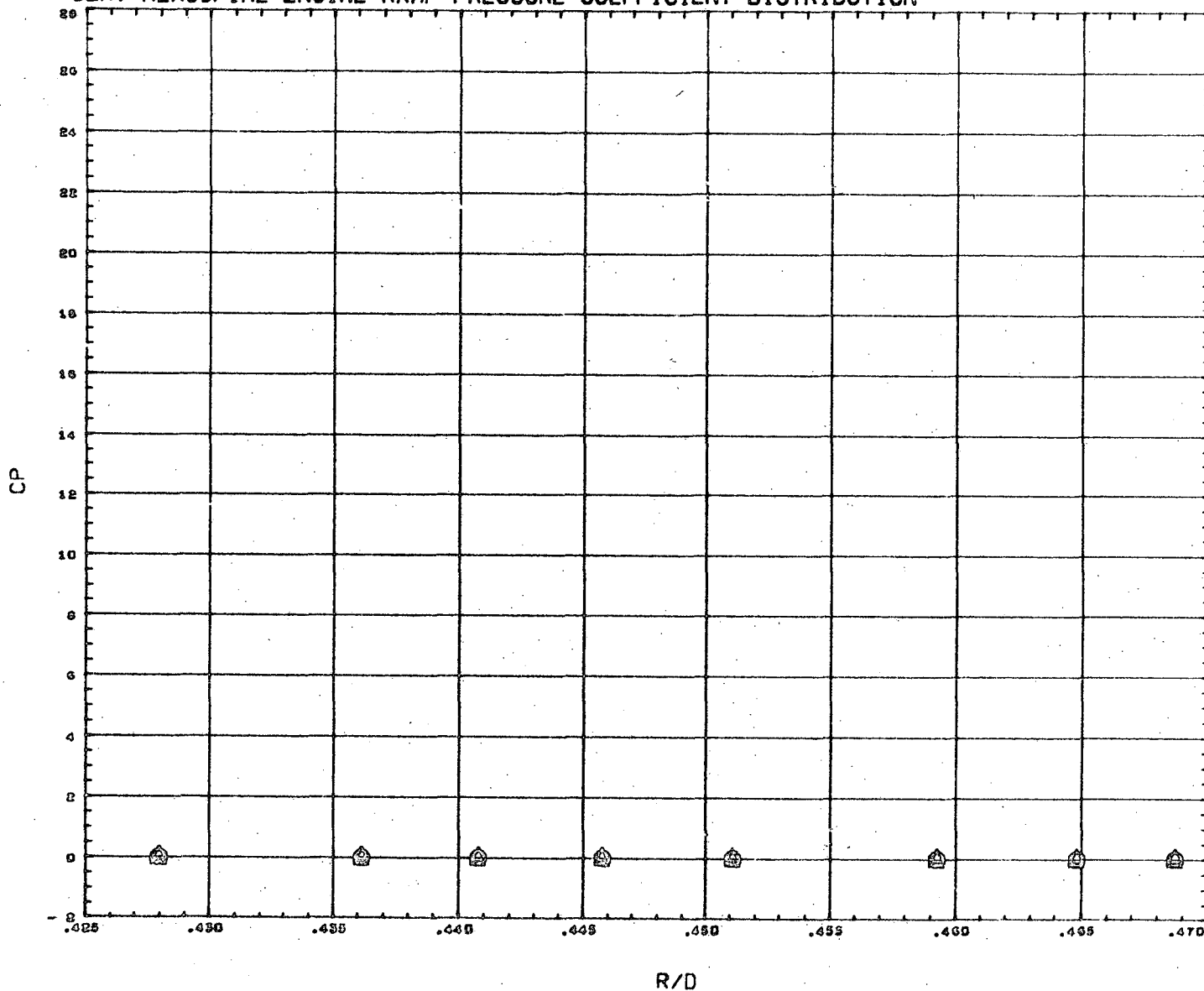
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	315.000			BREF	27.000	INCHES		404.679	WS/WPC
				XHRP	0.000	DIAMTR			0.000
				YHRP	0.000	DIAMTR			
				ZHRP	0.000	DIAMTR			

007089001.FICBE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



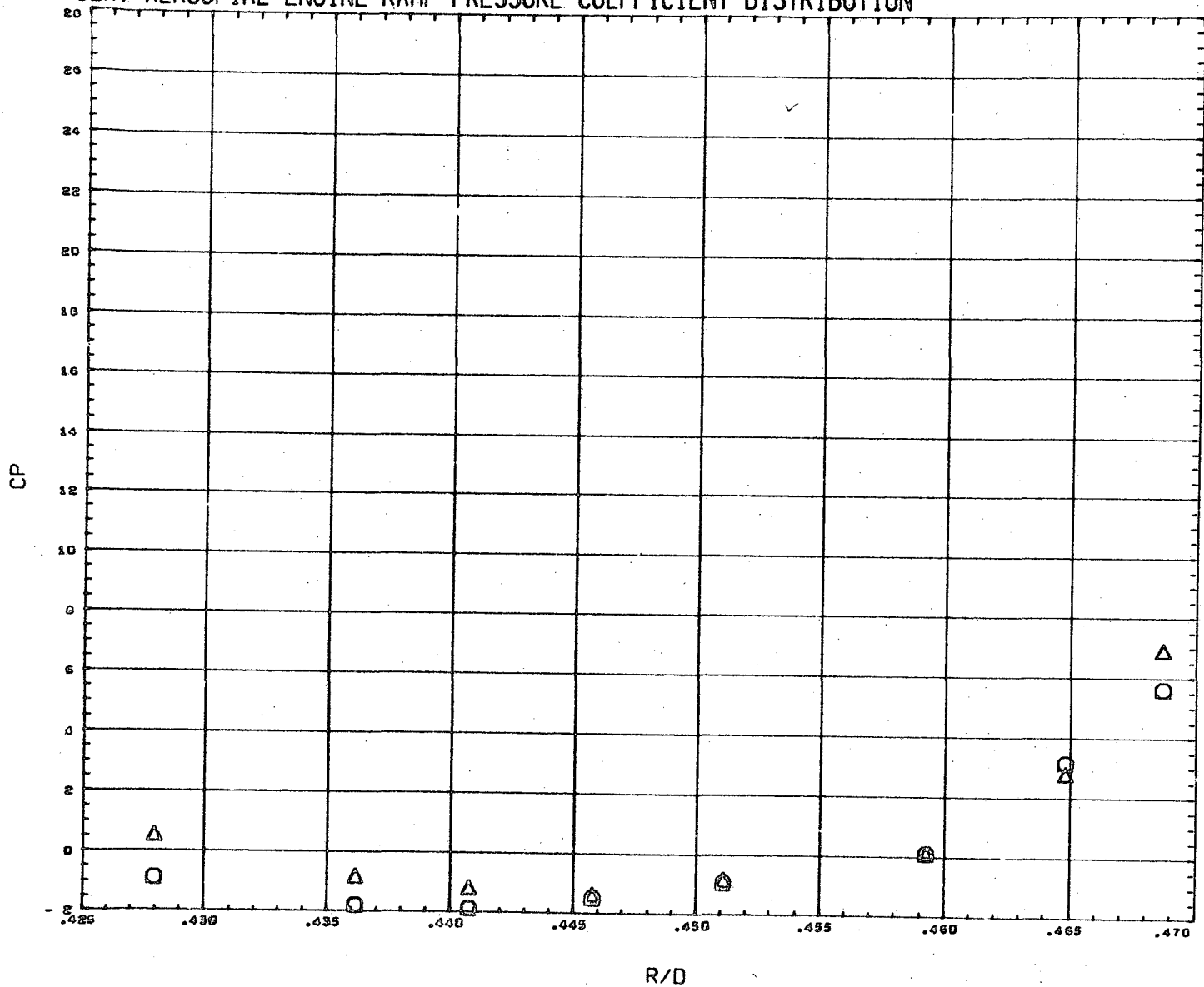
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○	275.620	481.607	0.131	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
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				BREF	27.000	INCHES				
				XNRP	0.000	DIAMTR				
				YNRP	0.000	DIAMTR				
				ZNRP	0.000	DIAMTR				

0875R0000.FSC0E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 201.700 0.600
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

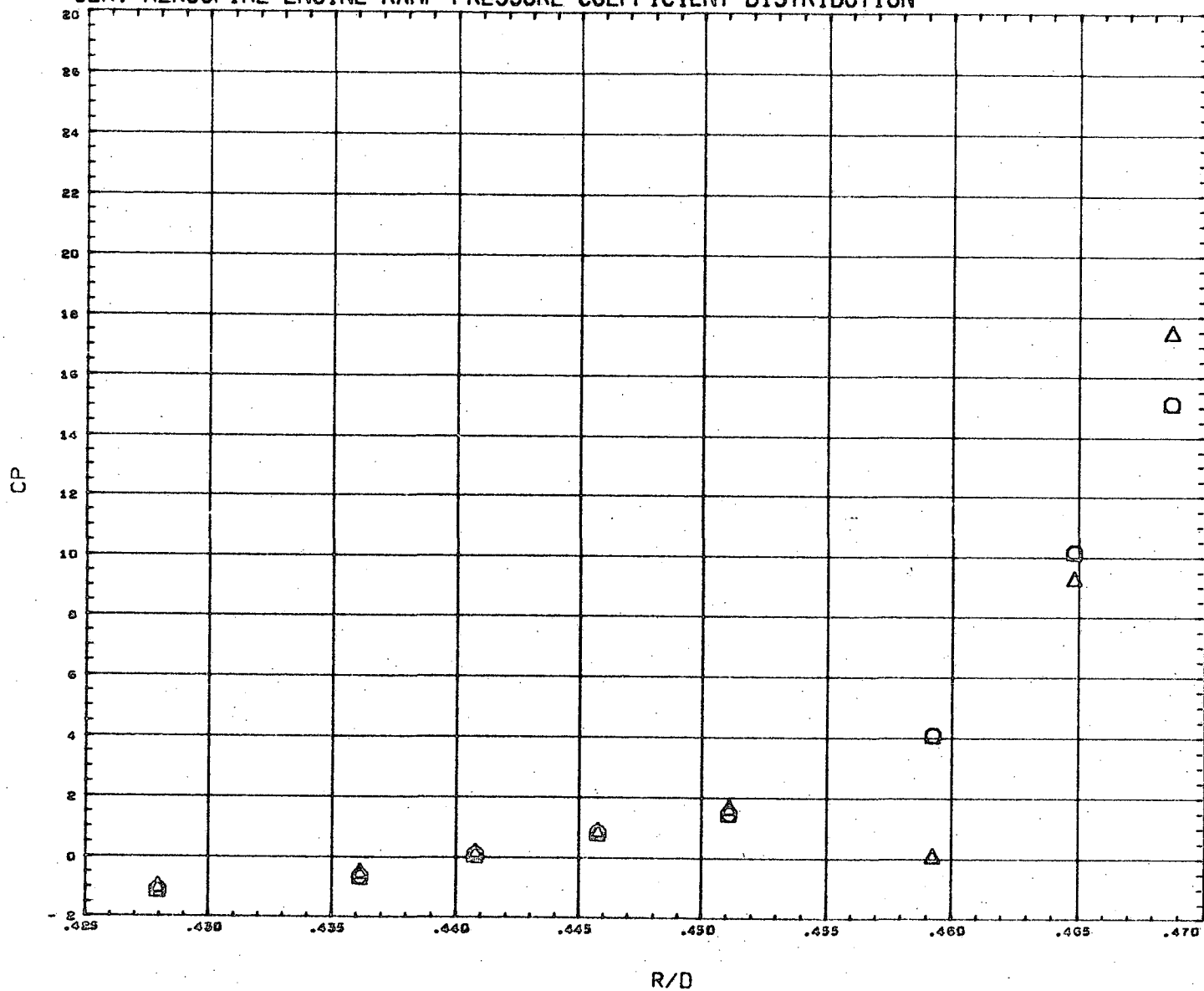
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

DATA 000000.FEC00 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



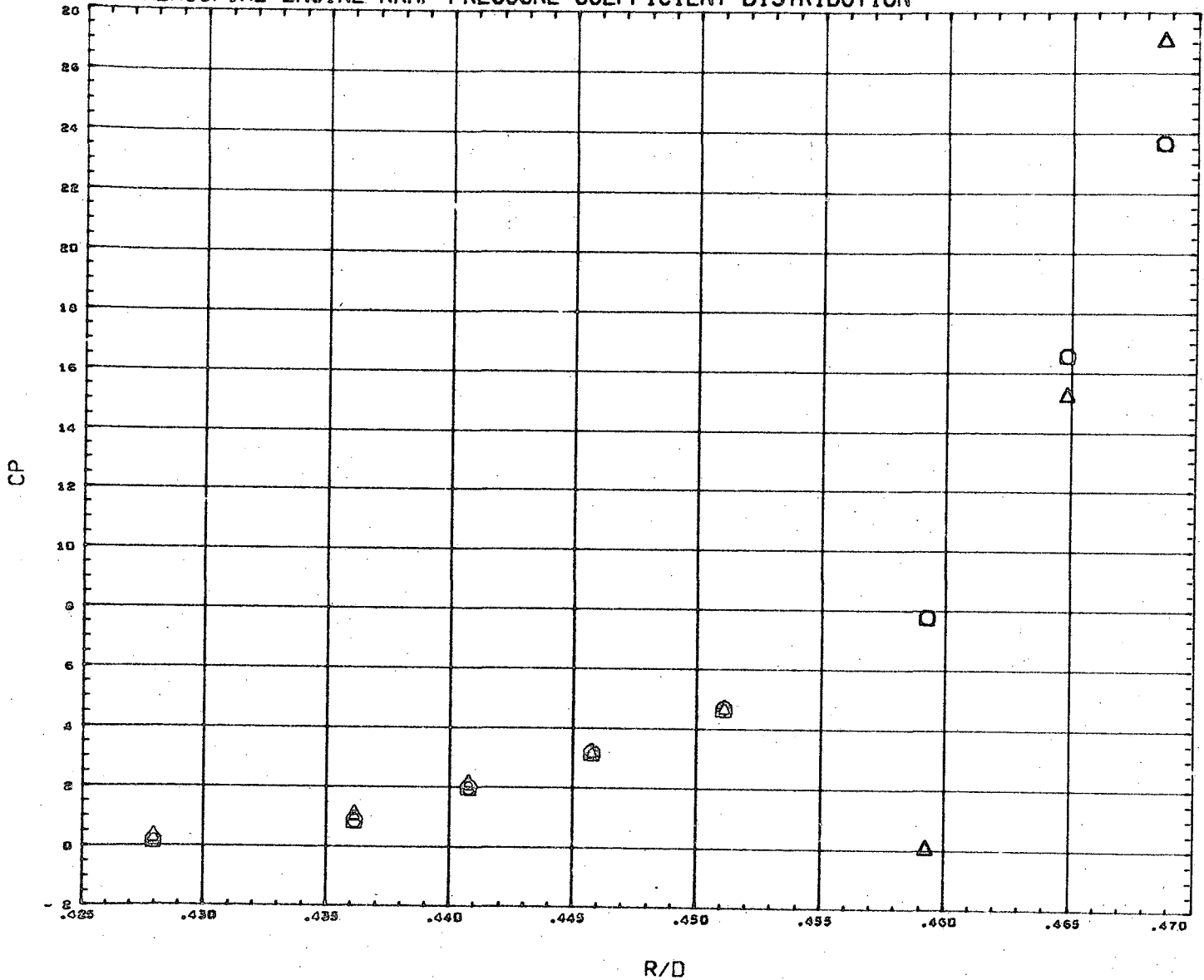
SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES			
○	275.620	401.290	0.598	SREF	572.557	SQ. IN.	E/DOOR
△	315.000			LREF	27.000	INCHES	0.000
				BREF	27.000	INCHES	ALPHA
				XHRF	0.000	DIAMTR	404.679
				YHRF	0.000	DIAMTR	WS/WPC
				ZHRF	0.000	DIAMTR	0.000

03480000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
○	275.620	578.883	0.596	SREF	572.557	SQ.IN.	E/DOOR
△	315.000			LREF	27.000	INCHES	PC
				BREF	27.000	INCHES	
				XMRP	0.000	DIACTR	
				YMRP	0.000	DIACTR	
				ZMRP	0.000	DIACTR	



007022008.FEC8E CC00 TN-AP-70-049

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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Graph showing the Pressure Coefficient (C_p) versus the Angle of Attack (α) for a flat plate at various Reynolds numbers. The Y-axis represents C_p (ranging from -2 to 28) and the X-axis represents α (ranging from .025 to .475). The data points are plotted for Reynolds numbers of 10^5 , 10^6 , 10^7 , and 10^8 . The curves show that C_p increases with α , and the magnitude of C_p is higher for higher Reynolds numbers.

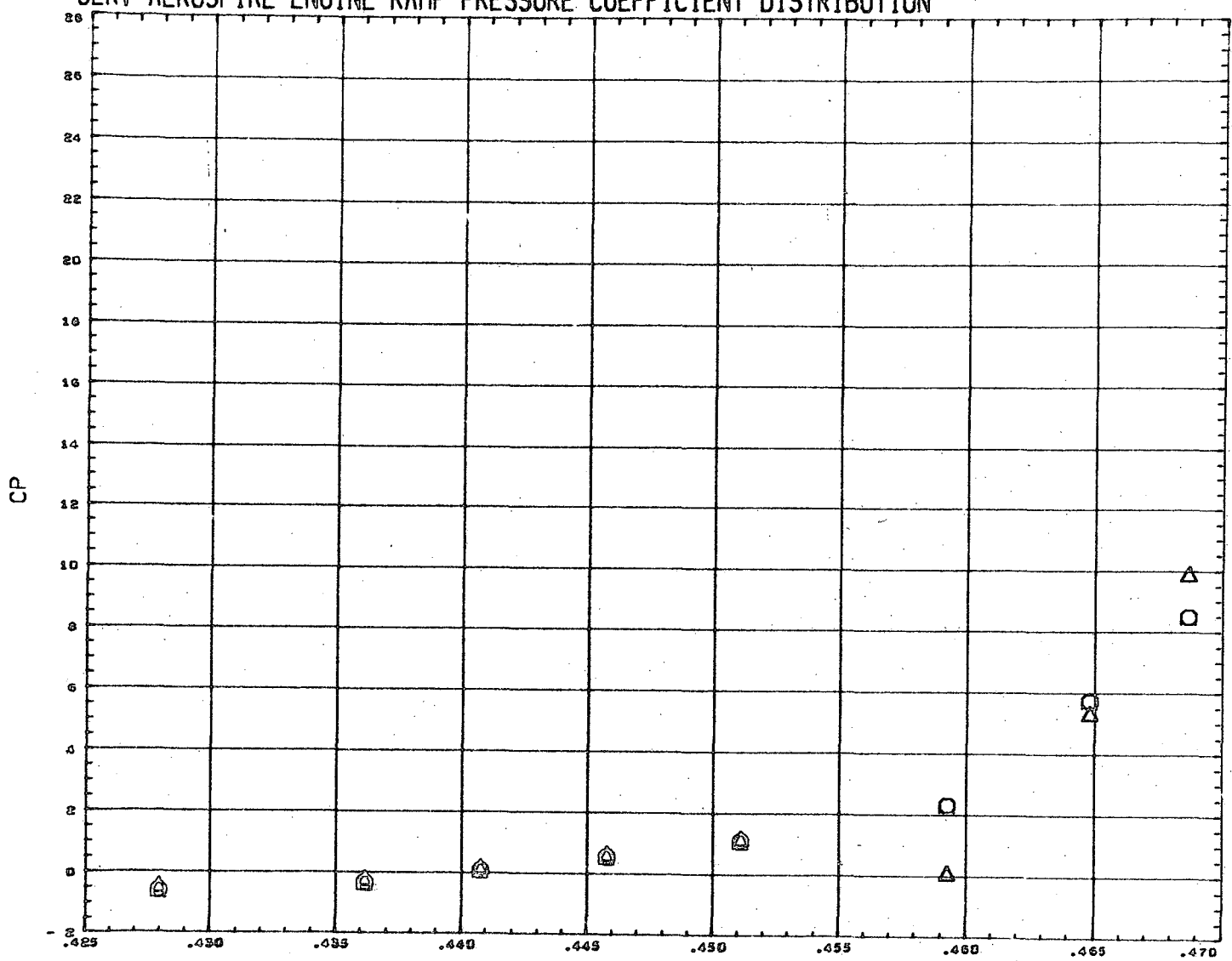
α	C_p ($Re = 10^5$)	C_p ($Re = 10^6$)	C_p ($Re = 10^7$)	C_p ($Re = 10^8$)
.025	-1.5	-1.5	-1.5	-1.5
.050	-1.5	-1.5	-1.5	-1.5
.100	-1.5	-1.5	-1.5	-1.5
.150	-1.5	-1.5	-1.5	-1.5
.200	-1.5	-1.5	-1.5	-1.5
.250	-1.5	-1.5	-1.5	-1.5
.300	-1.5	-1.5	-1.5	-1.5
.350	-1.5	-1.5	-1.5	-1.5
.400	-1.5	-1.5	-1.5	-1.5
.450	-1.5	-1.5	-1.5	-1.5
.500	-1.5	-1.5	-1.5	-1.5
.550	-1.5	-1.5	-1.5	-1.5
.600	-1.5	-1.5	-1.5	-1.5
.650	-1.5	-1.5	-1.5	-1.5
.700	-1.5	-1.5	-1.5	-1.5

SYMBOL	THETA	FRATIO	MACH
	275.620	302.353	0.801
	315.000		

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

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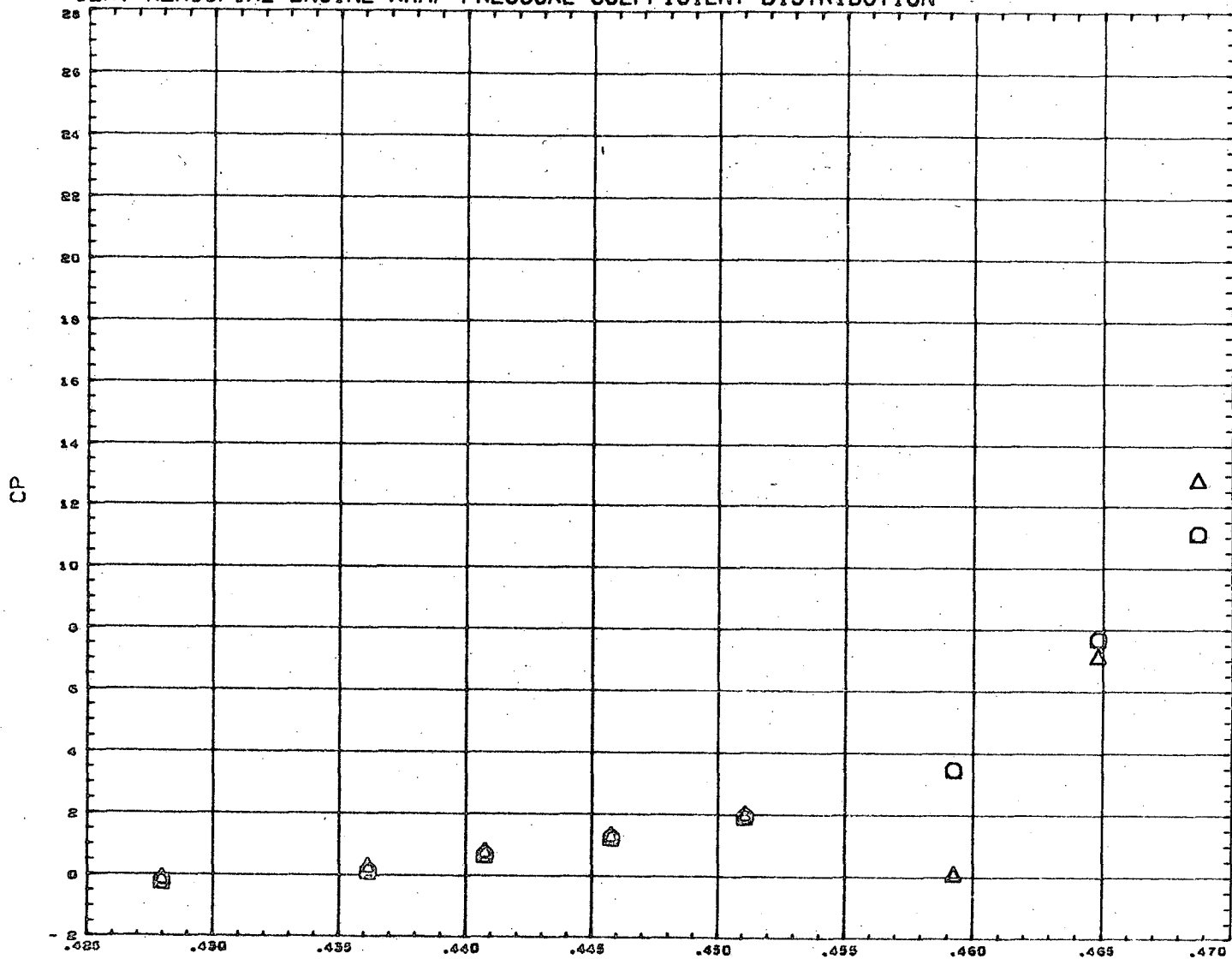
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	R/D				PARAMETRIC VALUES			
○	275.620	400.087	0.798	SREF	372.557	58. IN.	E/DOOR	0.000	ALPHA	0.004	
△	315.000			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000	
				BREF	27.000	INCHES					
				XMRP	0.000	DIAMTR					
				YMRP	0.000	DIAMTR					
				ZMRP	0.000	DIAMTR					

BB70R0968.FIC02E CC00 TM-AP-70-049

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



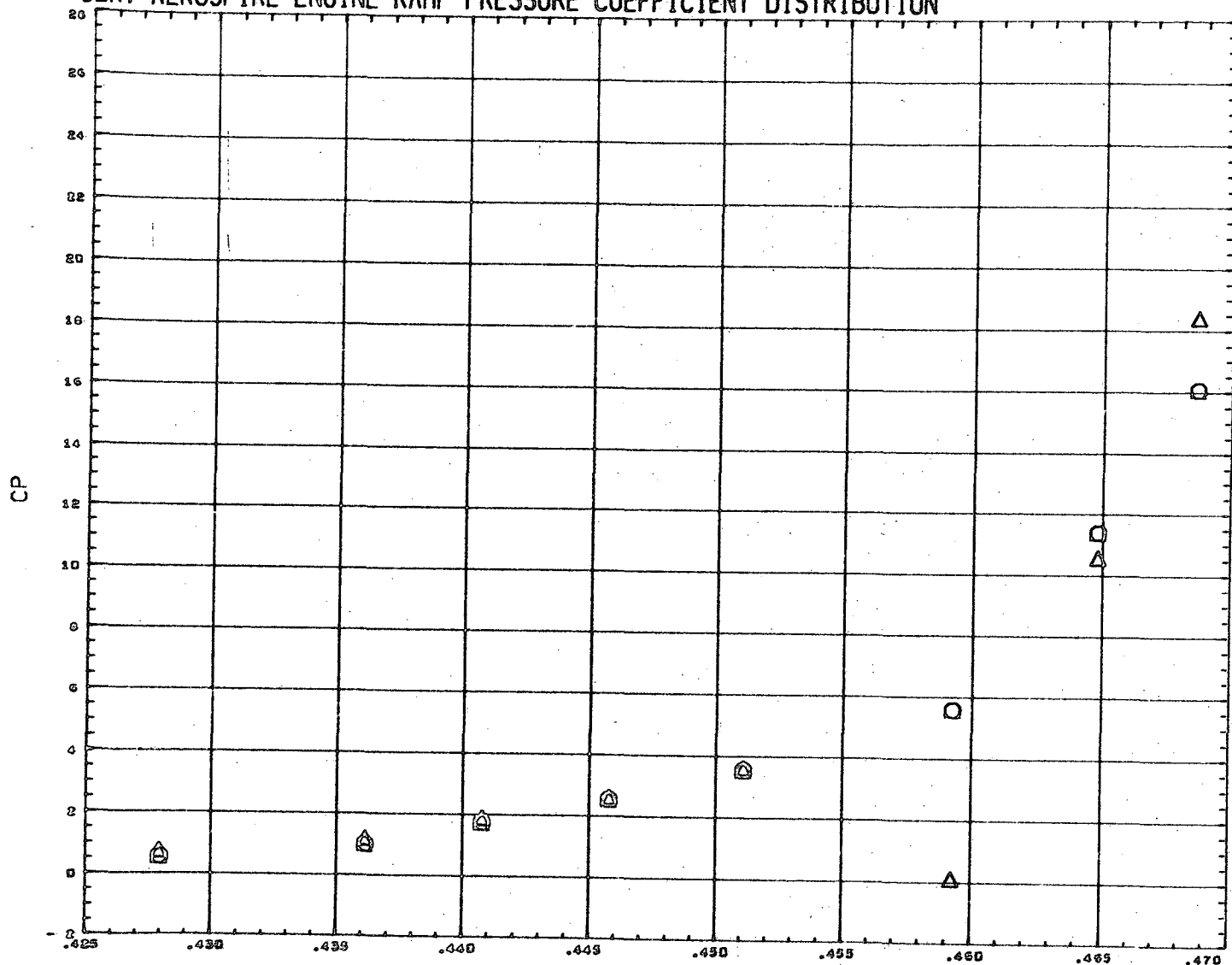
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○	275.620	499.307	0.799																						
△	315.000																								



0570R0001.FE00E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL



THETA	FRATIO	MACH
275.620	689.892	0.803
315.000		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
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YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

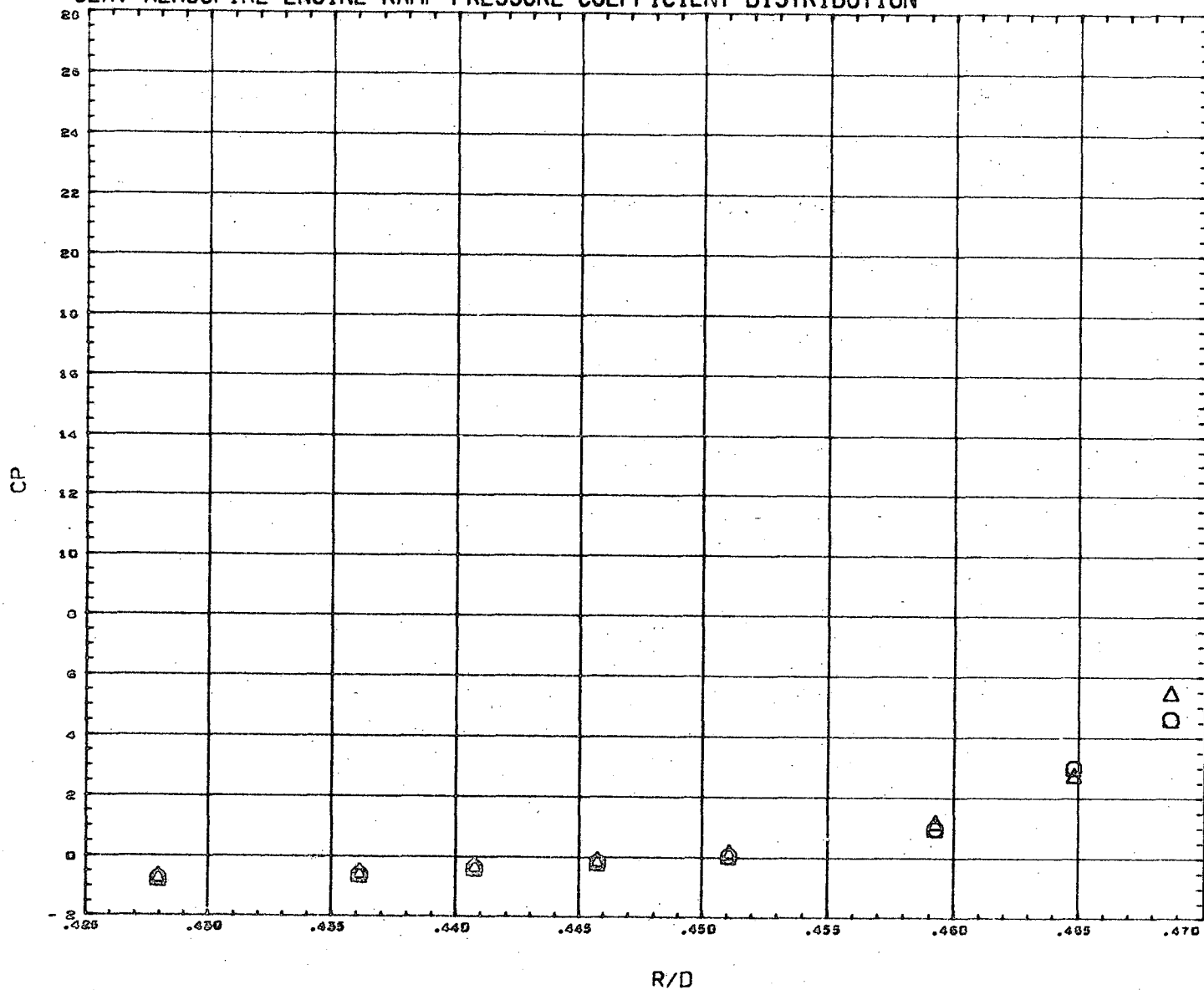
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WPC
		0.004
		0.000

00000000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



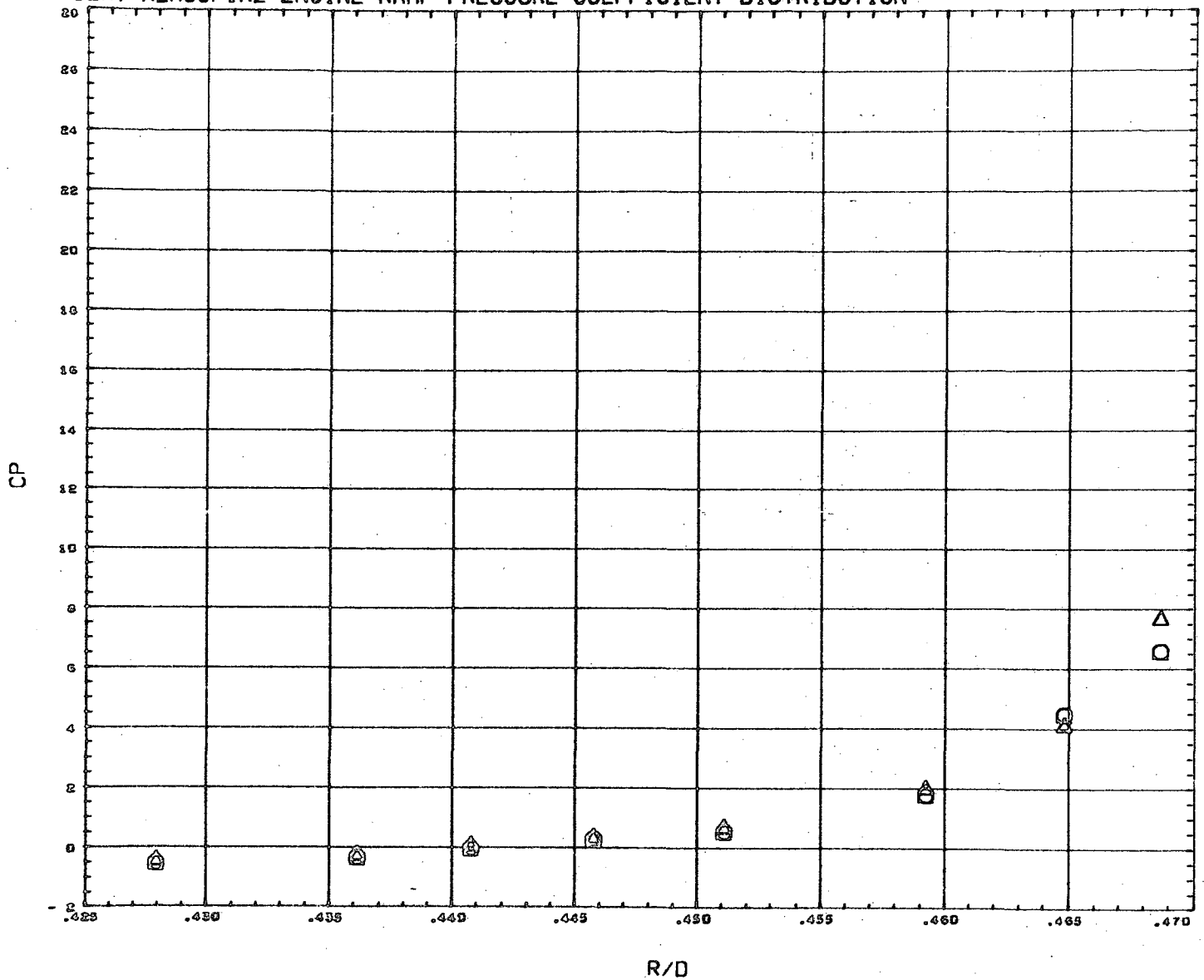
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	315.000			BREF	27.000	INCHES		404.679	WS/WFC
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				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

00000000.F003E CC80 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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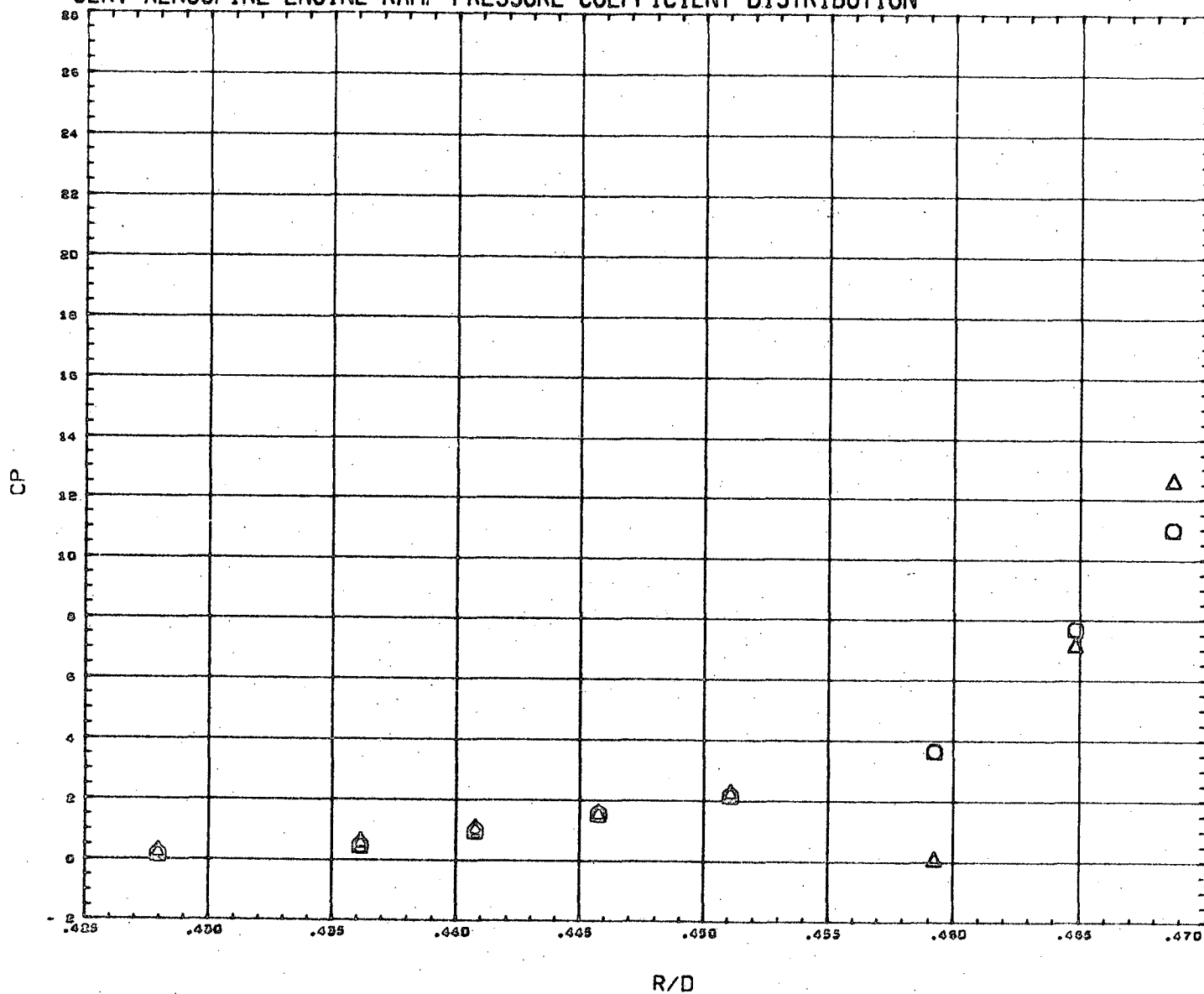
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	R/D				PARAMETRIC VALUES			
○	275.620	399.767	0.900	SREF	572.557	58.1N.	E/DOOR	0.000	ALPHA	0.004	
△	313.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000	
				BREF	27.000	INCHES					
				XMRP	0.000	DIAHTR					
				YMRP	0.000	DIAHTR					
				ZMRP	0.000	DIAHTR					

00708006.FIG06 CC00 TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



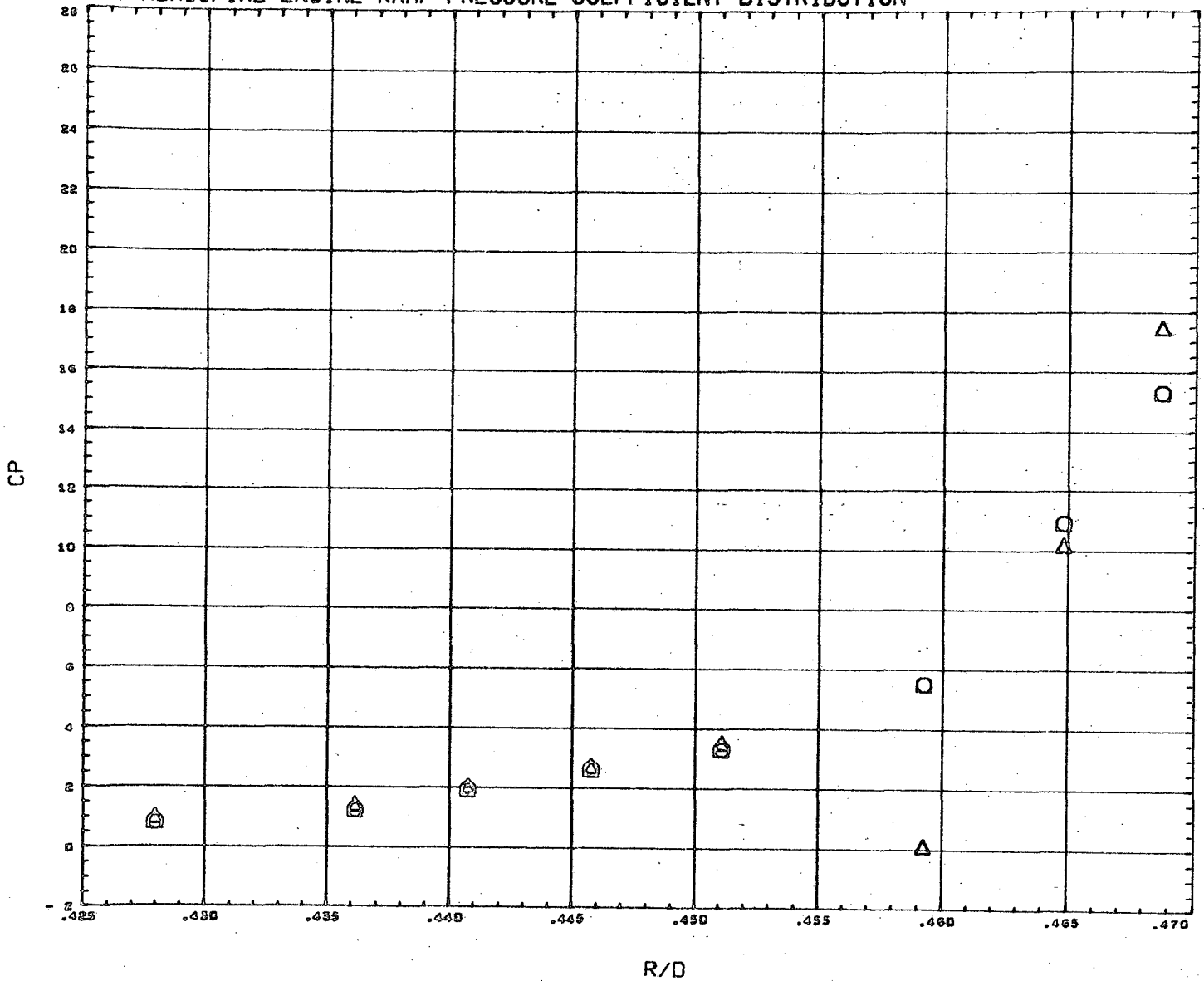
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○	275.620	600.200	0.895	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	404.679	W5/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

05768068.FEC0E CCSD TN-AP-70-446

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



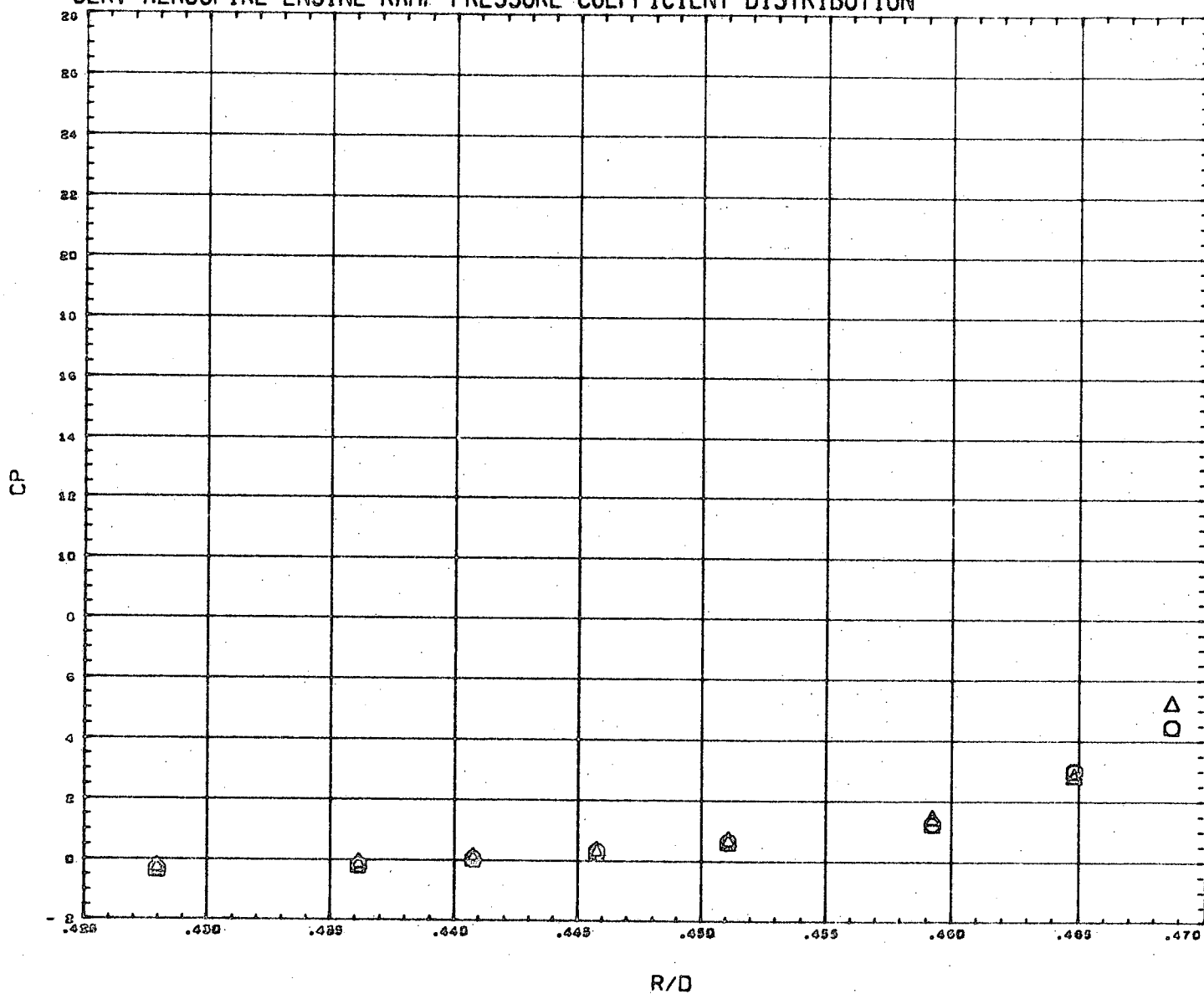
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○	275.620	812.557	0.902	LREF	27.000	INCHES	0.000	ALPHA	0.004
△	315.000			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

DATA BRIDGE FILE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



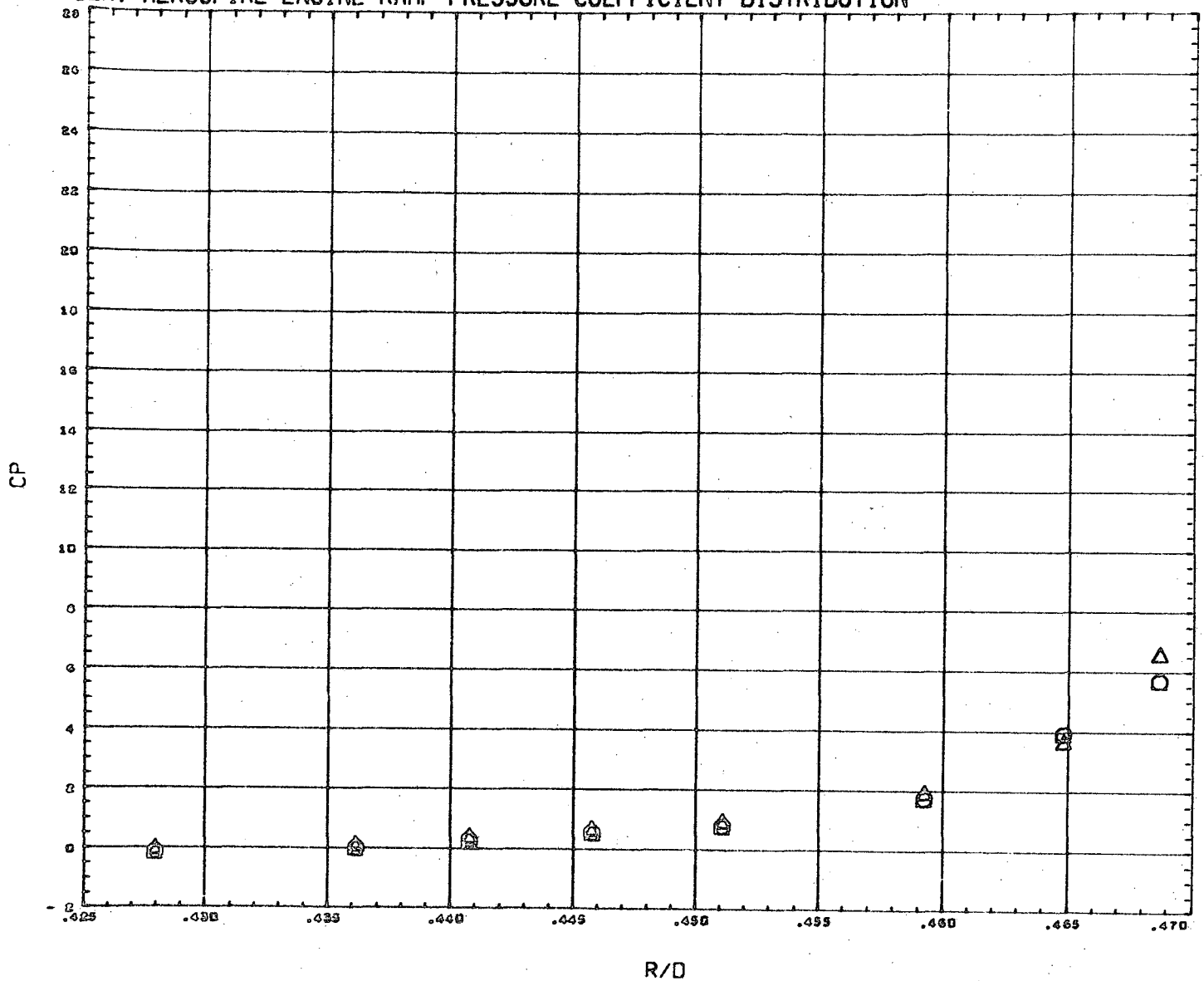
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△	315.000			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

0070R0001.F000E CC09 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES			
○	275.680	491.380	1.101	E/DOOR	0.000	ALPHA	0.004
△	315.000			PC	404.679	WS/WFC	0.000

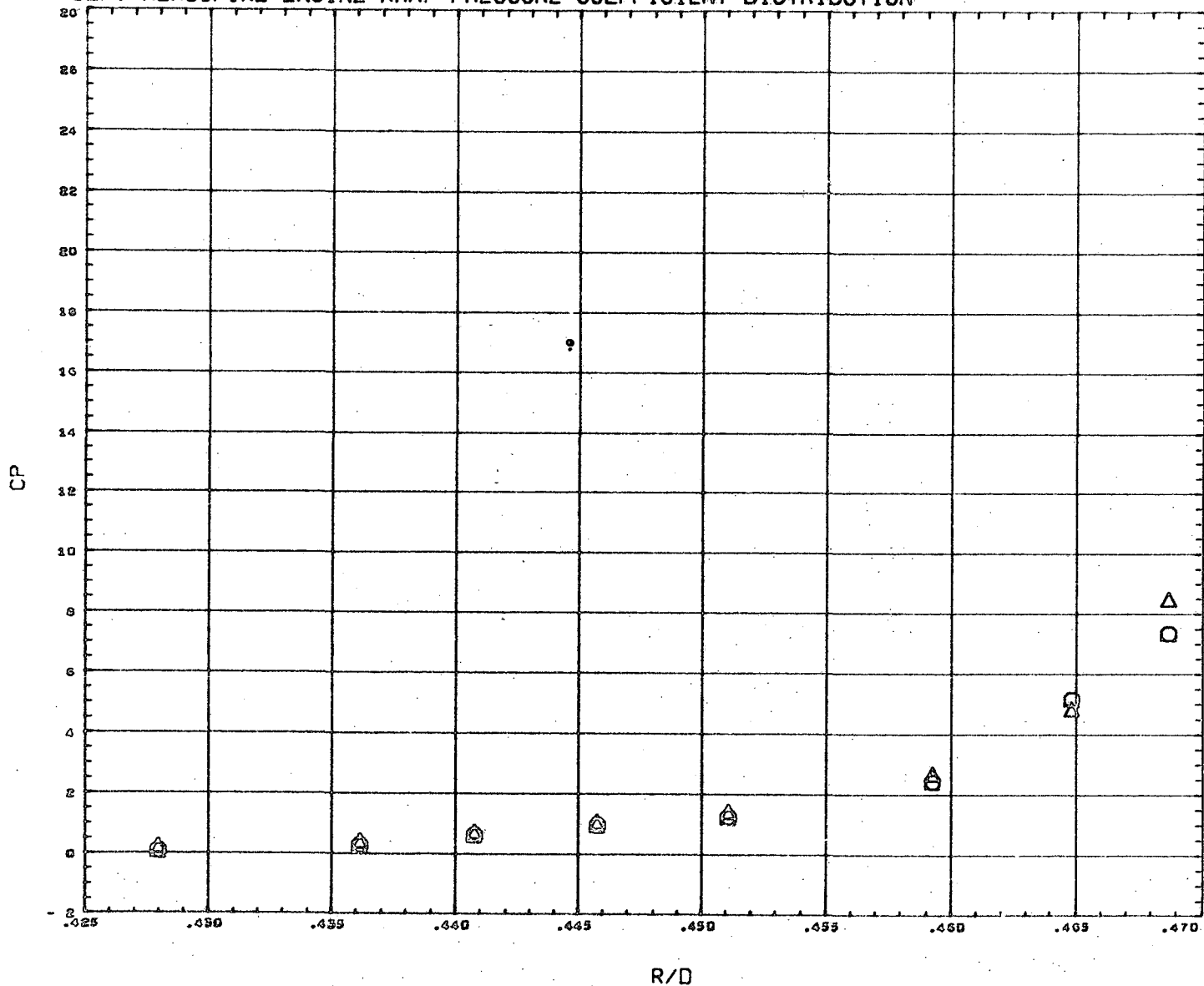
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YHRF	0.000	DIAMTR
ZHRF	0.000	DIAMTR

00000000.FCLBE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH						
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△	315.000								

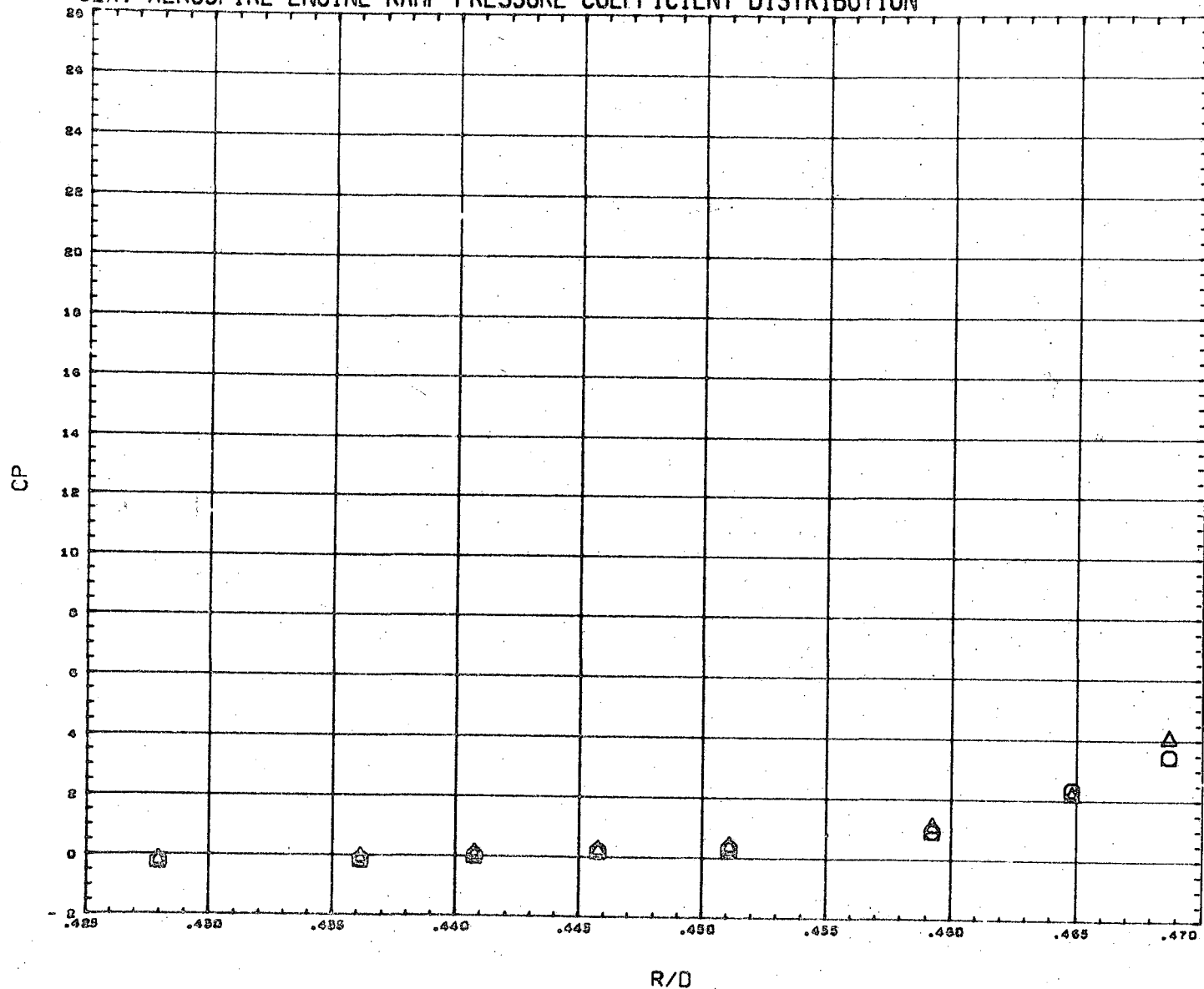
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XMRP	0.000	DIAMTR				
YMRP	0.000	DIAMTR				
ZMRP	0.000	DIAMTR				

00000000.F000E CC80 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○

279.680
315.090

406.123

1.254

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

SQ. IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

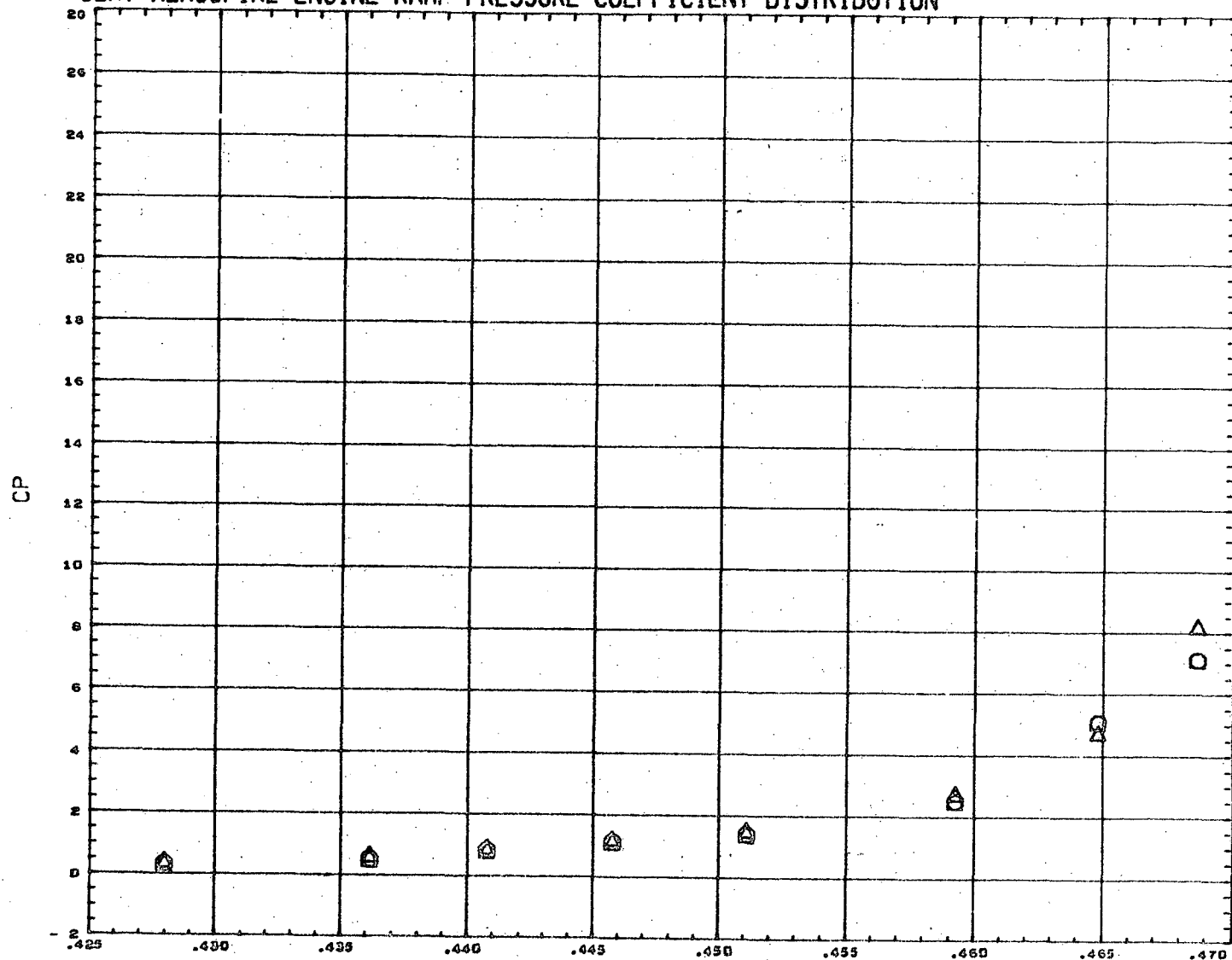
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404.679 WS/WFC 0.000

DATA0000.F000E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH



275.620
315.000

751.932

1.261

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

SQ.IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

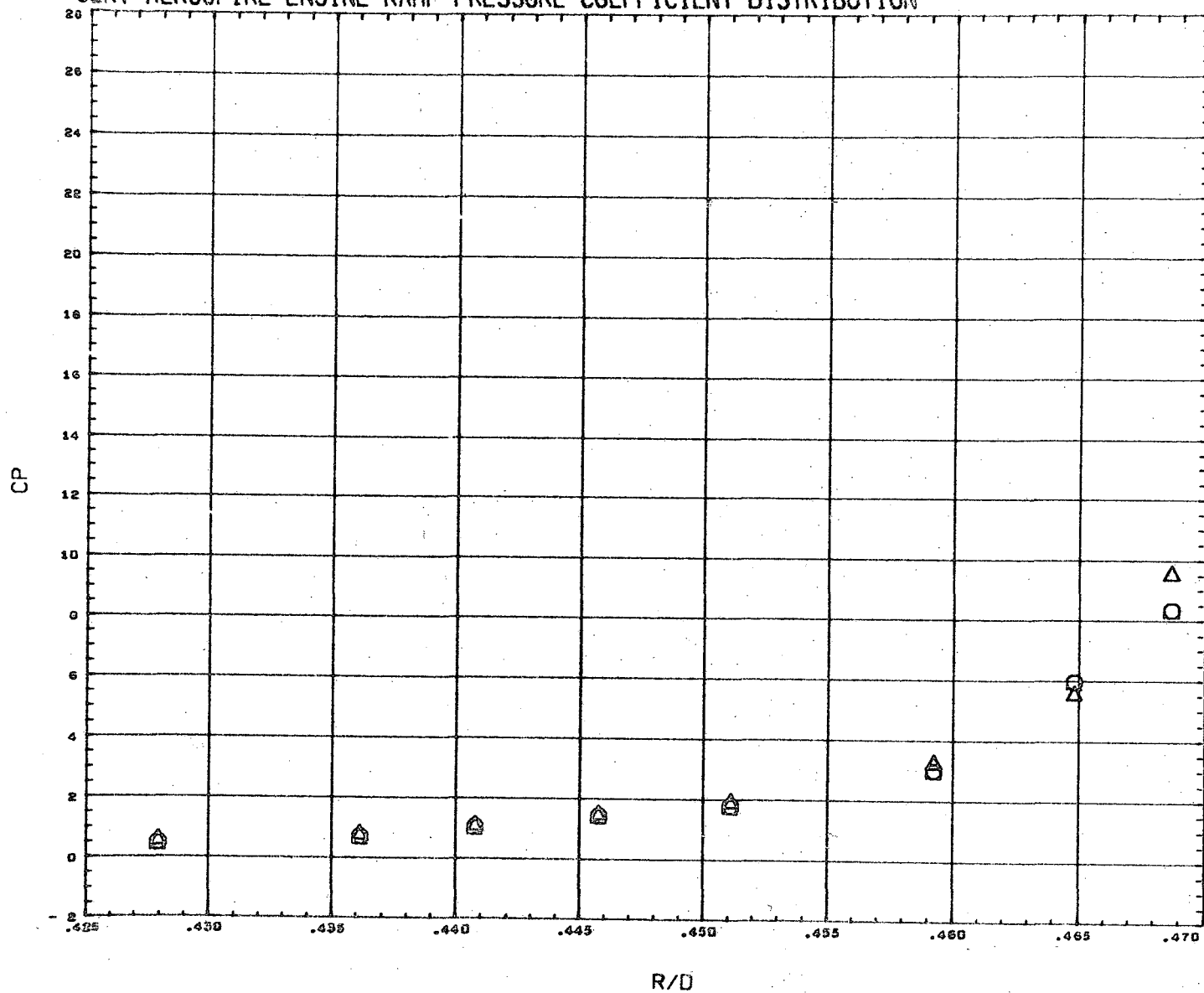
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404.679 WS/WFC 0.000

0000000.FCCE CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 631.960 1.248
 A 315.000

SREF 572.557 SQ. IN.
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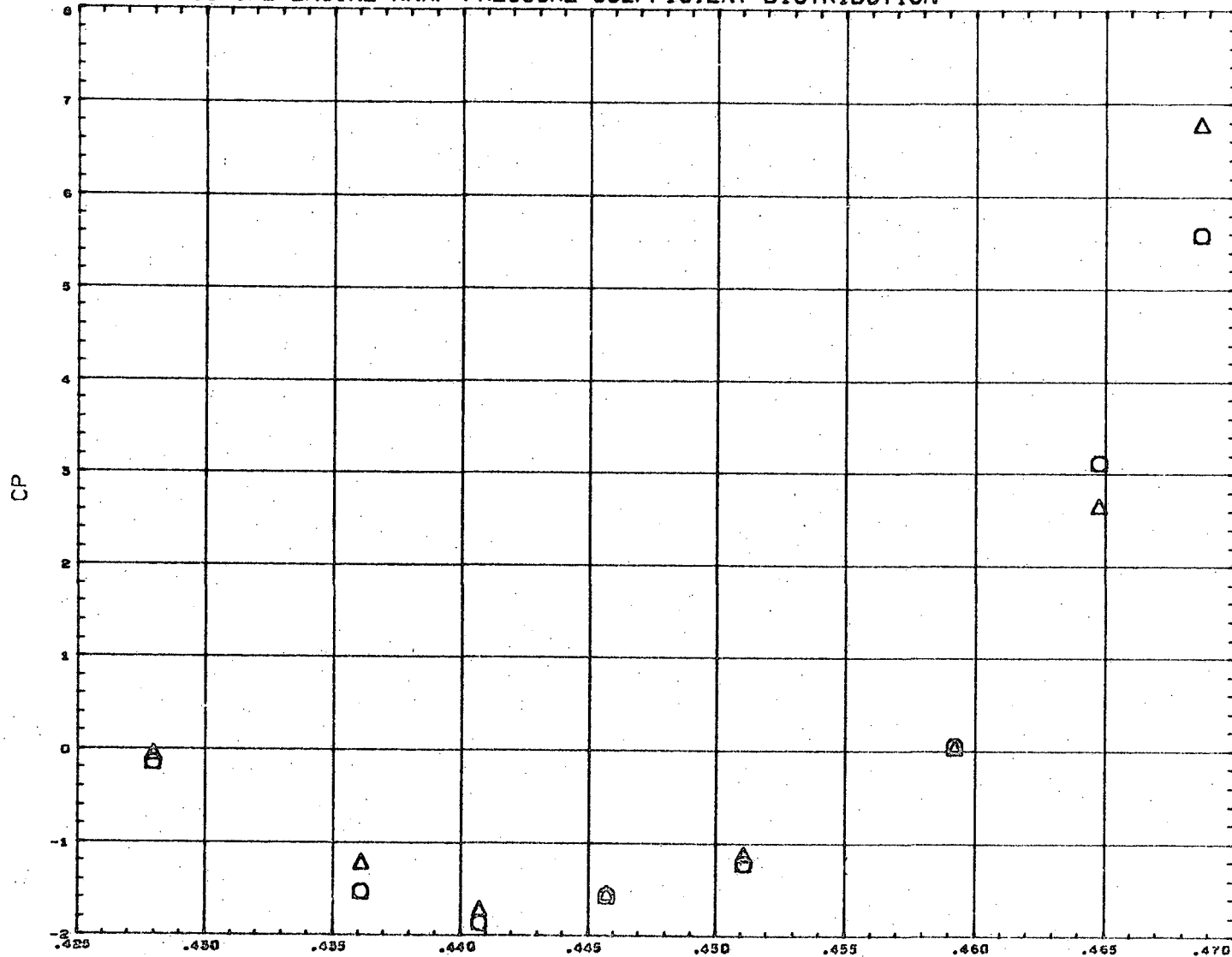
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 PC 404.679 WS/WPC 0.000

064500000.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7440)

PAGE 363

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○
△

275.620
315.000

202.083

0.599

SREF

572.557

50-IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAMTR

YMRP

0.000

DIAMTR

ZMRP

0.000

DIAMTR

PARAMETRIC VALUES

E/DOOR

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ALPHA

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PC

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WS/WPC

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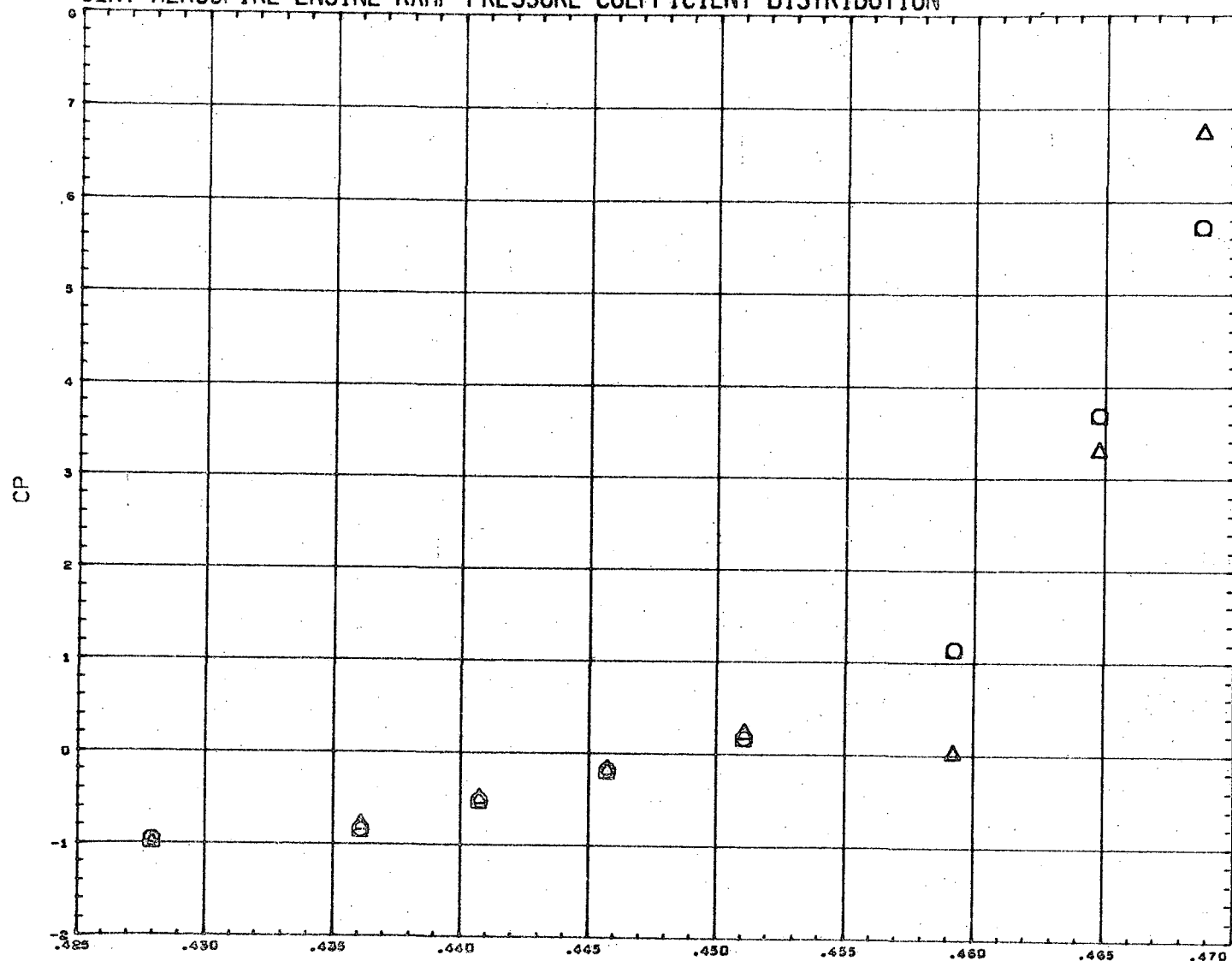
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CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

PAGE 364

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 275.625 299.500 0.801
 △ 315.600

SREF 572.557 50-IN.
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 BREF 27.000 INCHES
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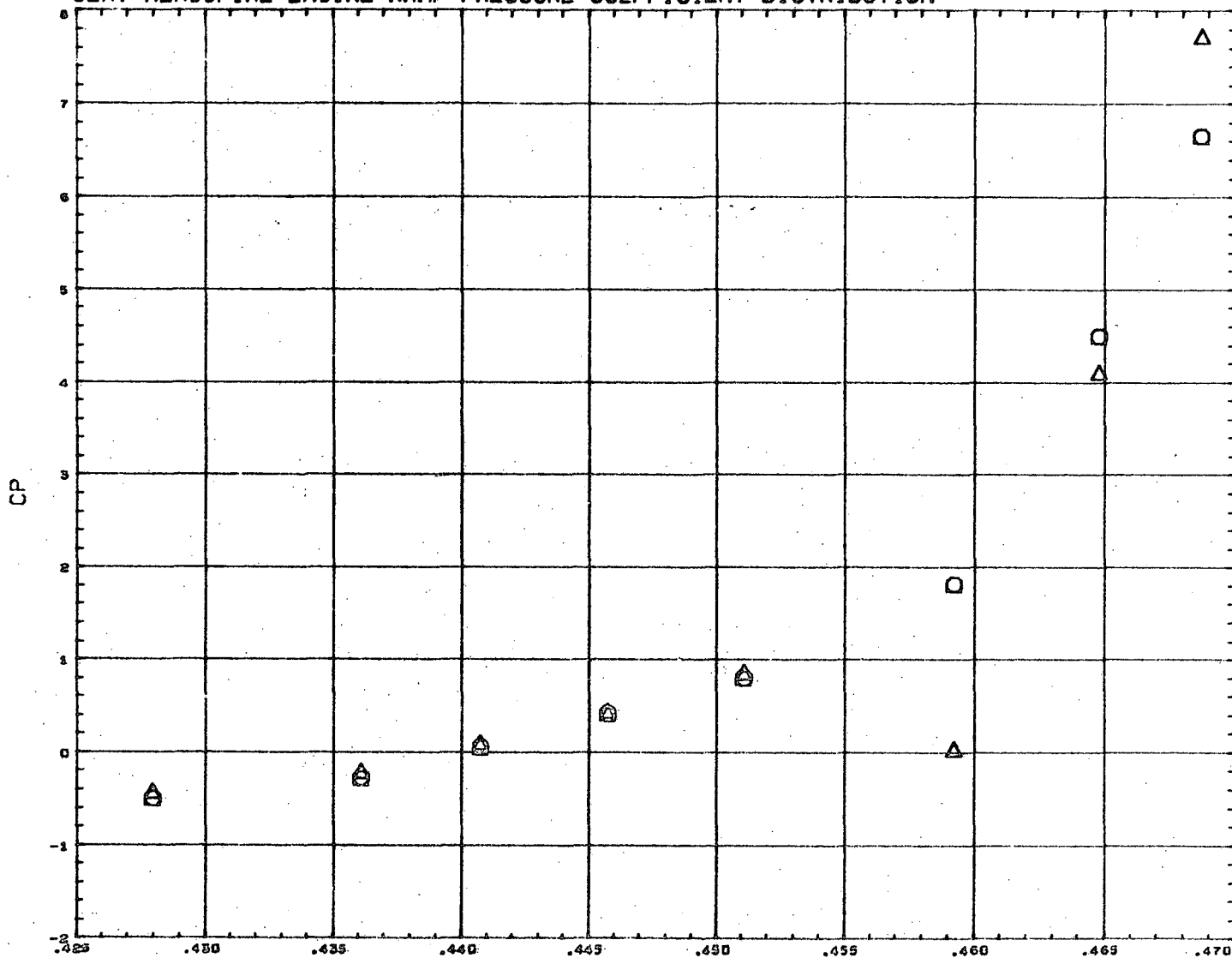
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DATA SOURCE: F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

PAGE 365

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 398.487 0.899
 Δ 315.000

SREF 572.557 58. IN.
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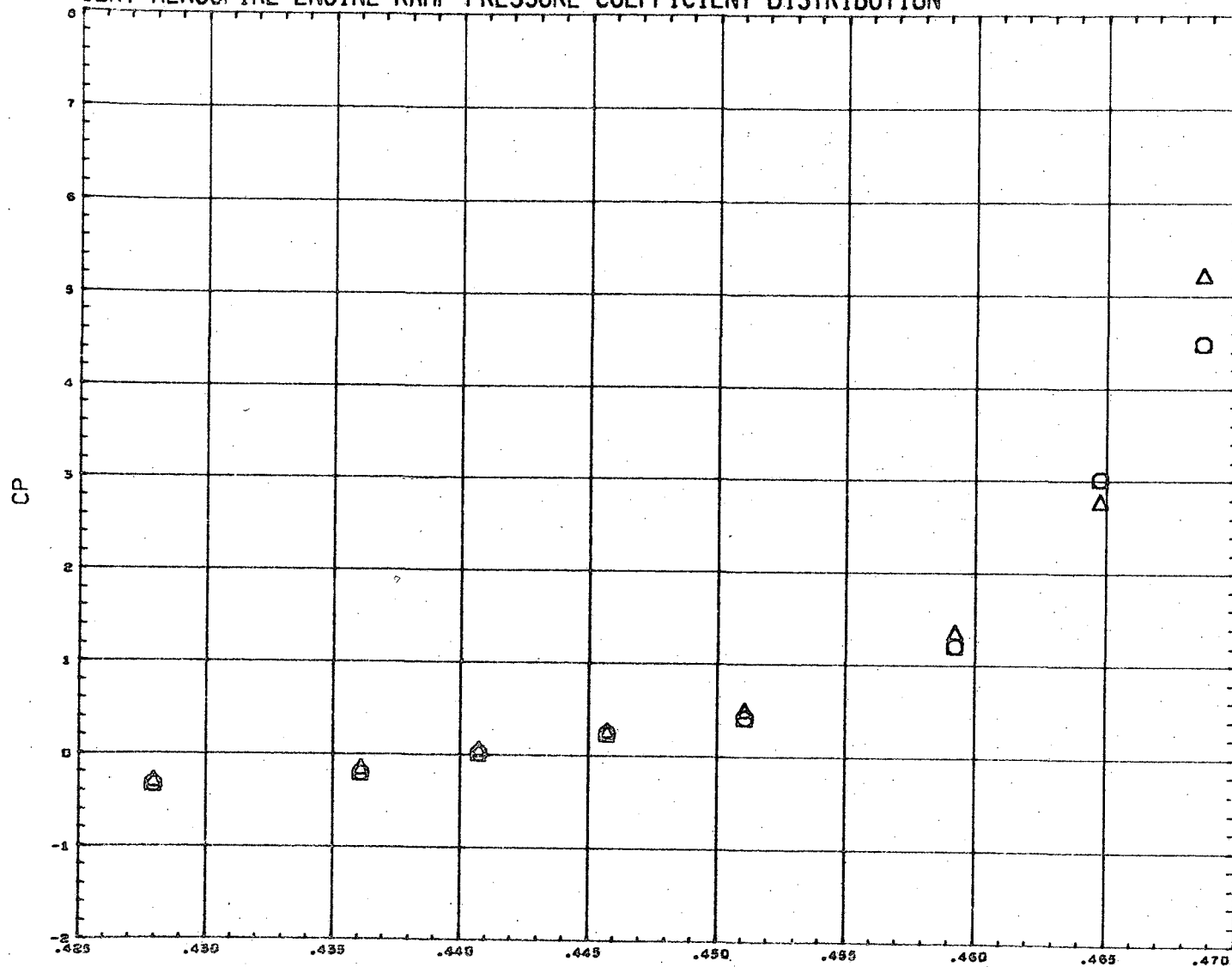
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 PC 402.996 WS/WFC 0.000

OVERBRIDGE FORCE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 273.620 402.407 1.100
 Δ 313.000

SREF 572.557 SQ. IN.
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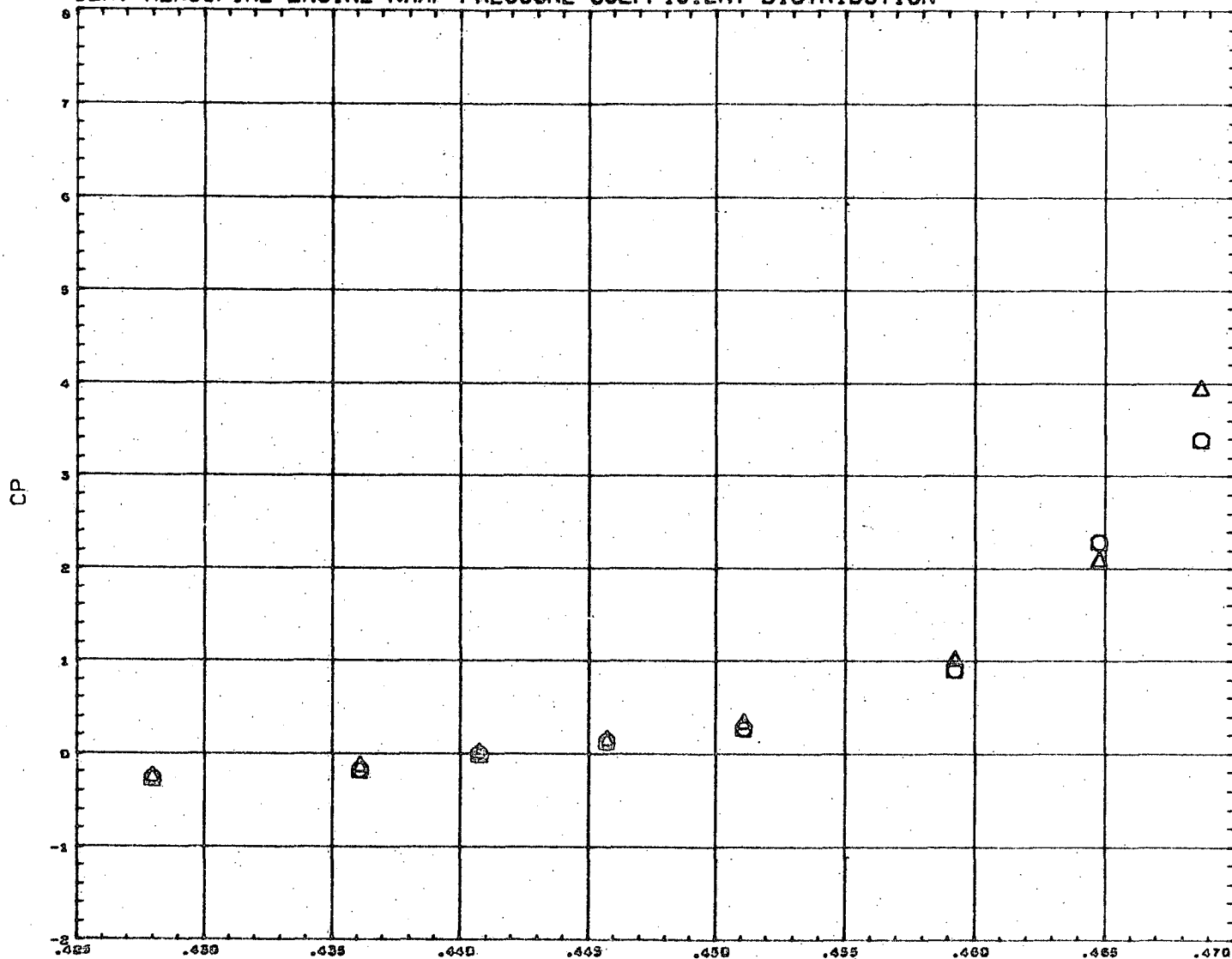
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 PC 402.996 WS/WFC 0.000

DEVELOPMENT FILED CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 450.737 1.253
 A 315.000

SREF 572.557 SQ.IN.
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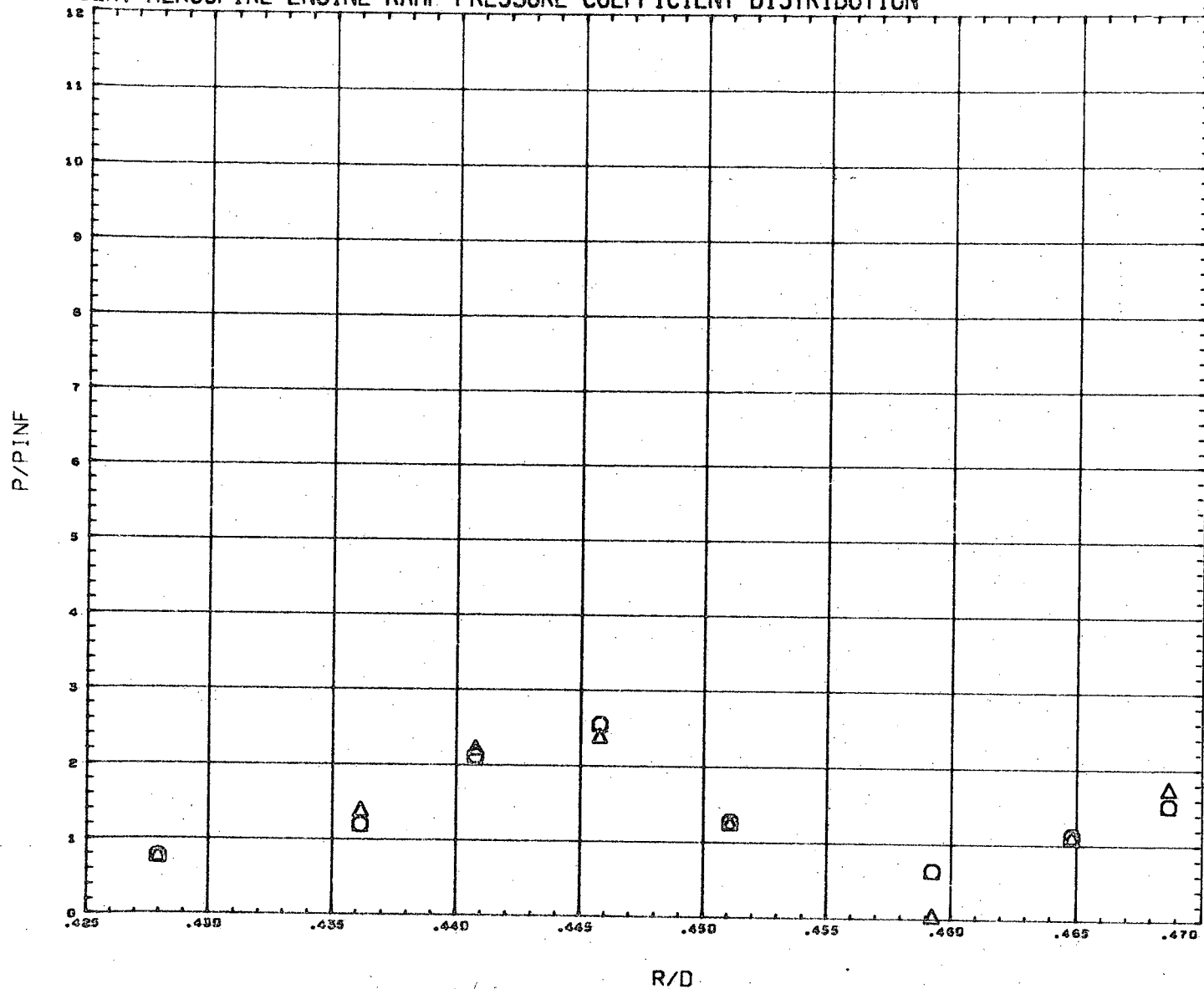
PARAMETRIC VALUES
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 PC 402.996 WS/WPC 0.000

DATA0000.FIC00E CCCD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (AT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



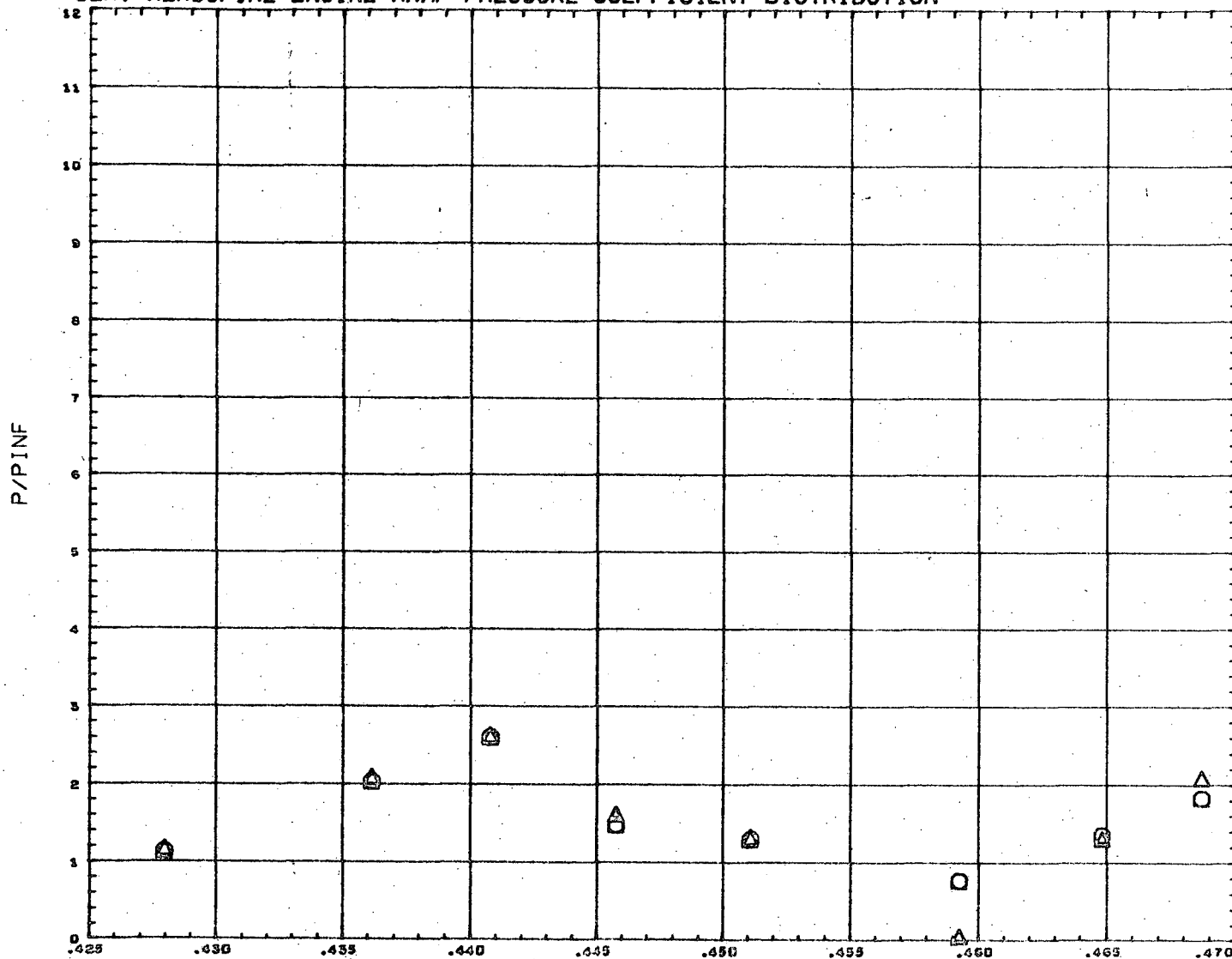
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				BREF	27.000	INCHES					
				XMRP	0.000	DIAMTR					
				YMRP	0.000	DIAMTR					
				ZMRP	0.000	DIAMTR					

00758305X.FACSE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

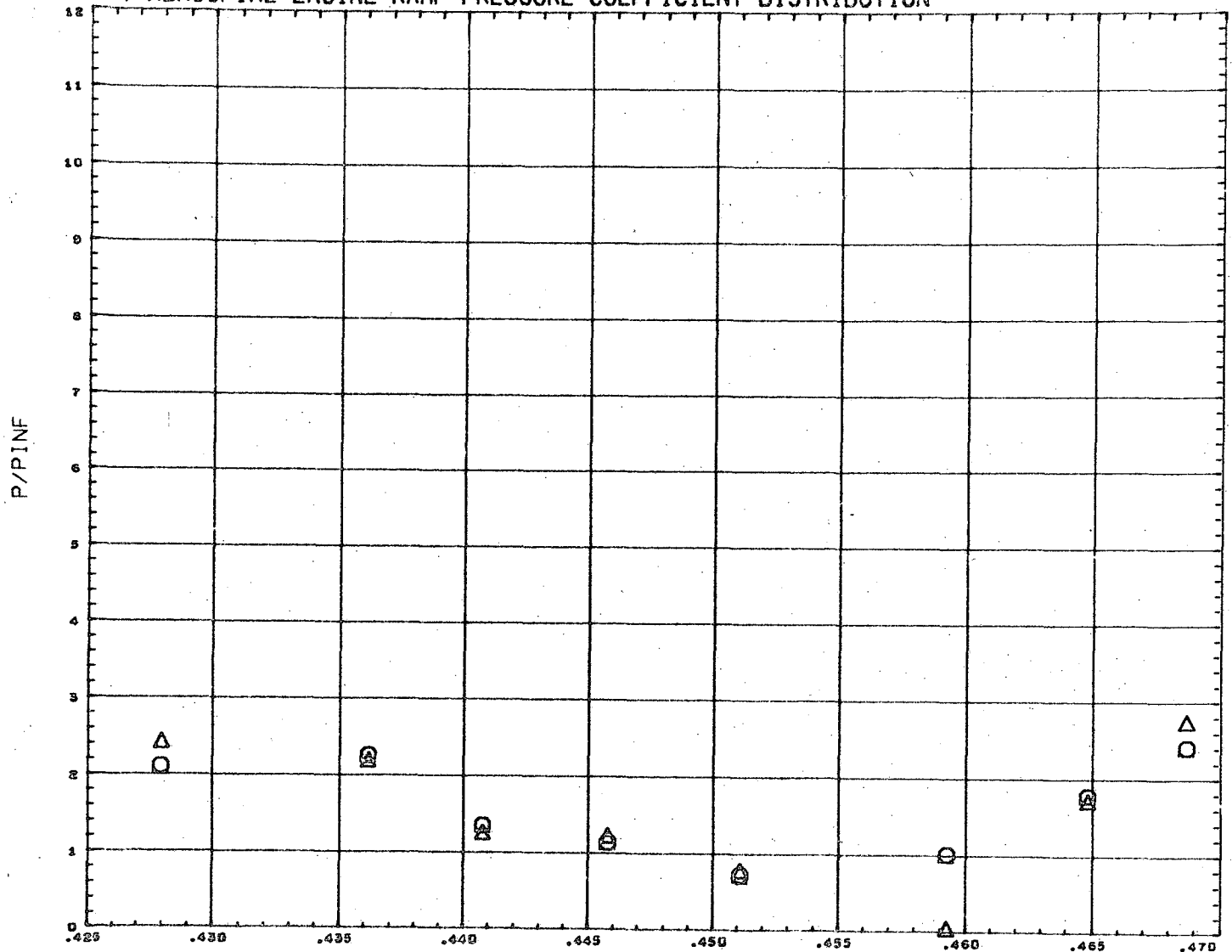
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△	315.000													

BAVDR006.FECBE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

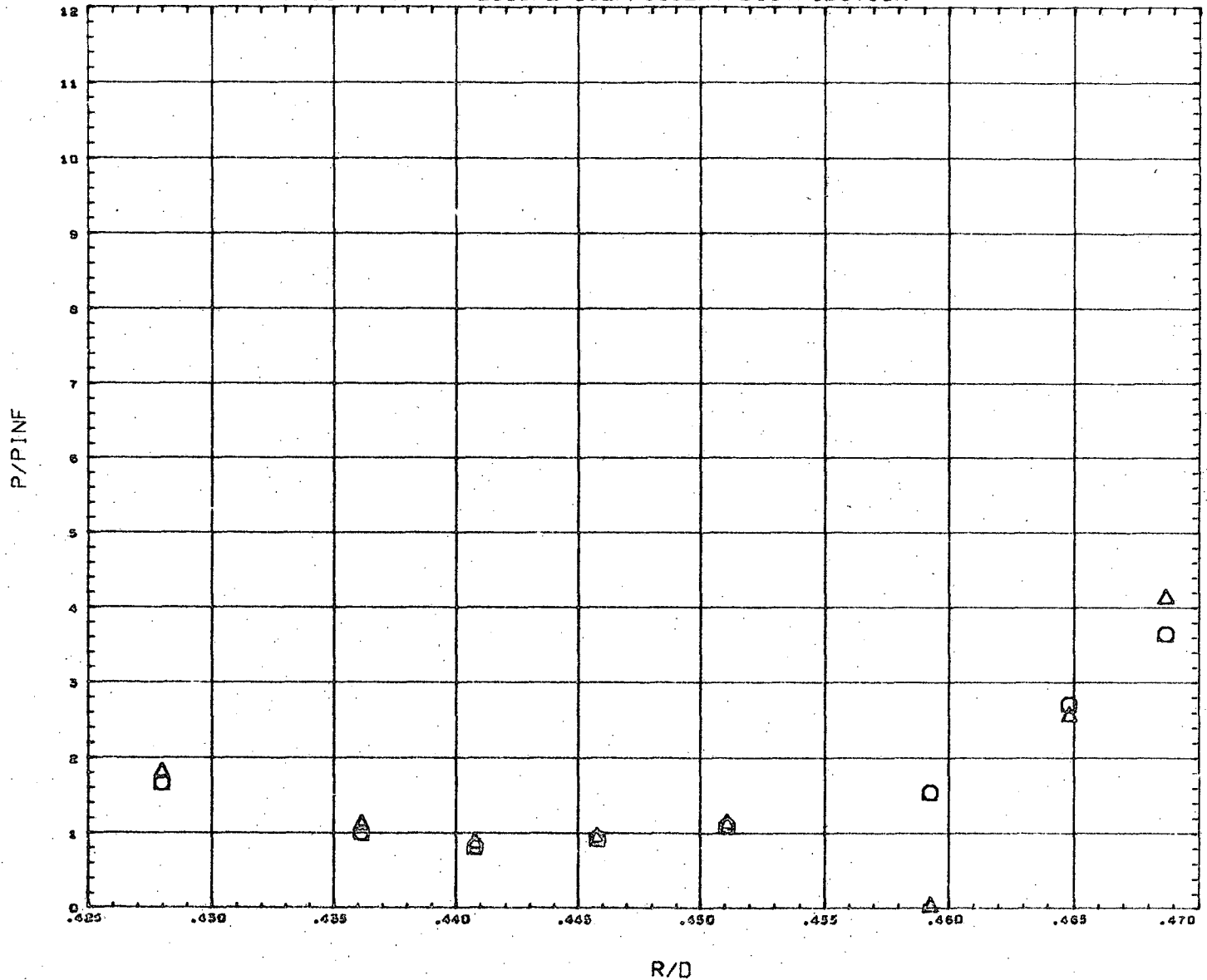
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8573R005K.FELEE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 304.463 0.074
 Δ 315.000

SREF 572.557 SQ. IN.
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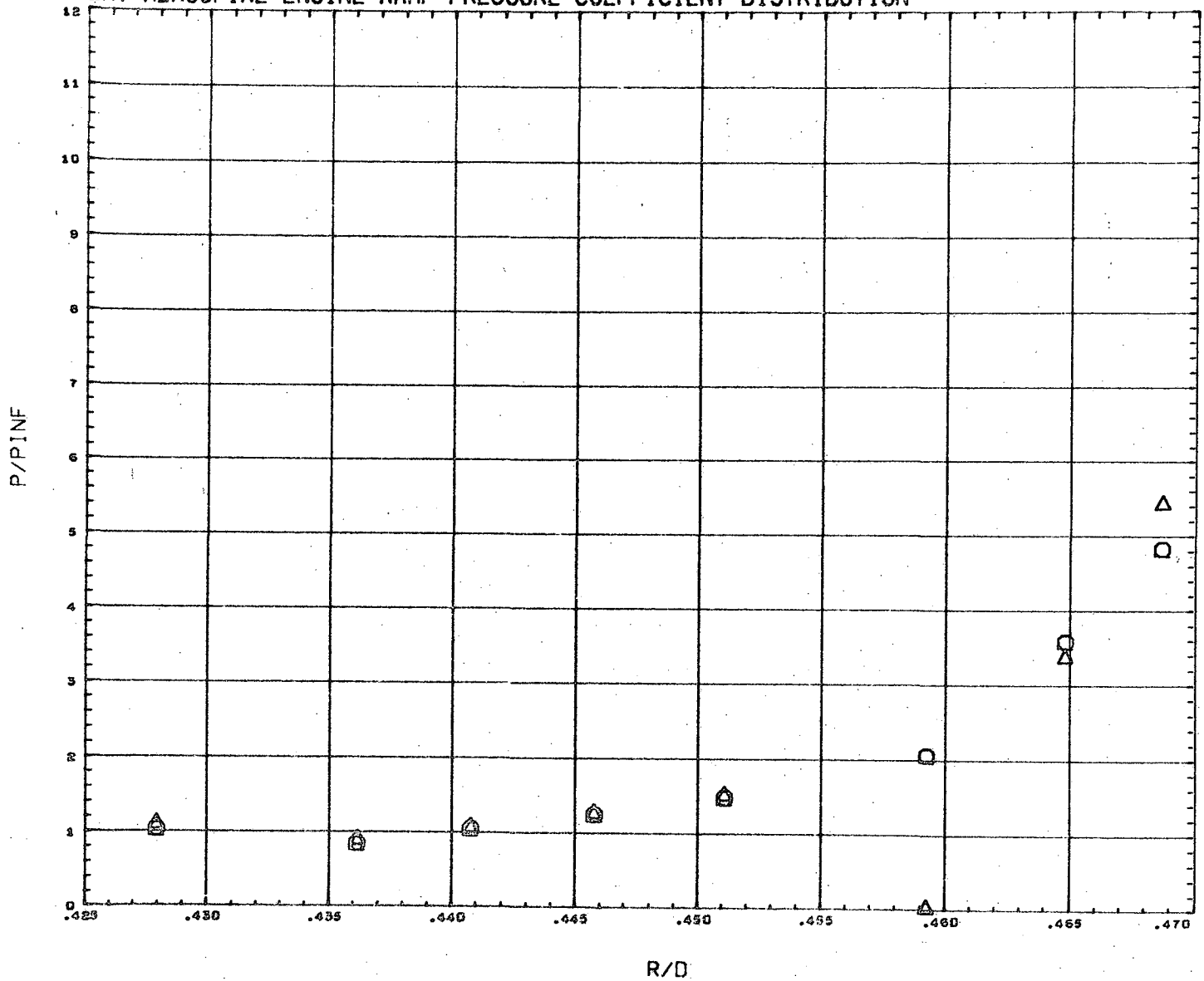
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 PC 404.679 WS/WPC 0.000

057AR0000.F008E CC29 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.625 01.790 0.123
 A 315.000

SREF 572.557 SQ. IN.
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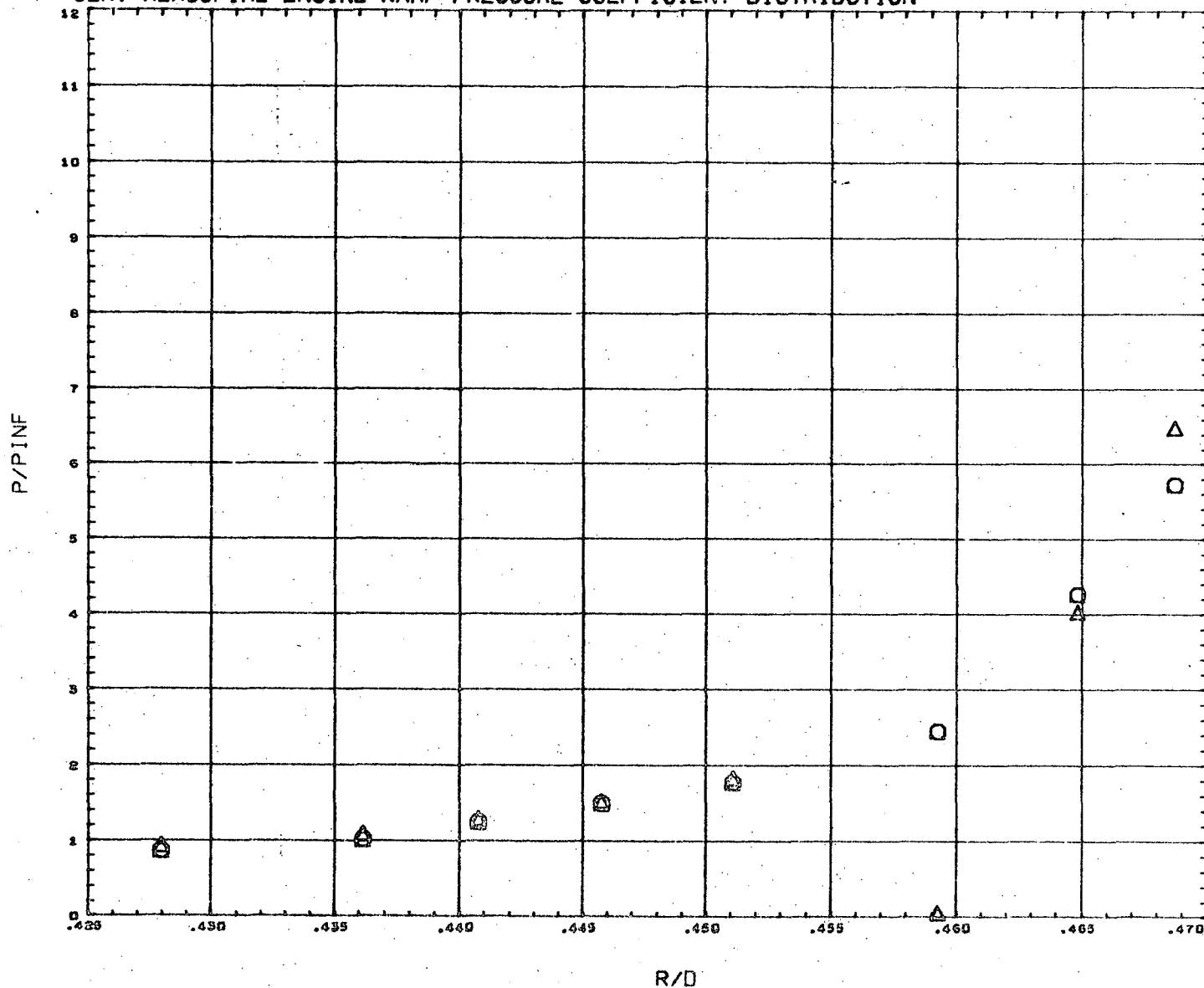
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 FC 404.679 WS/WFC 0.000

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AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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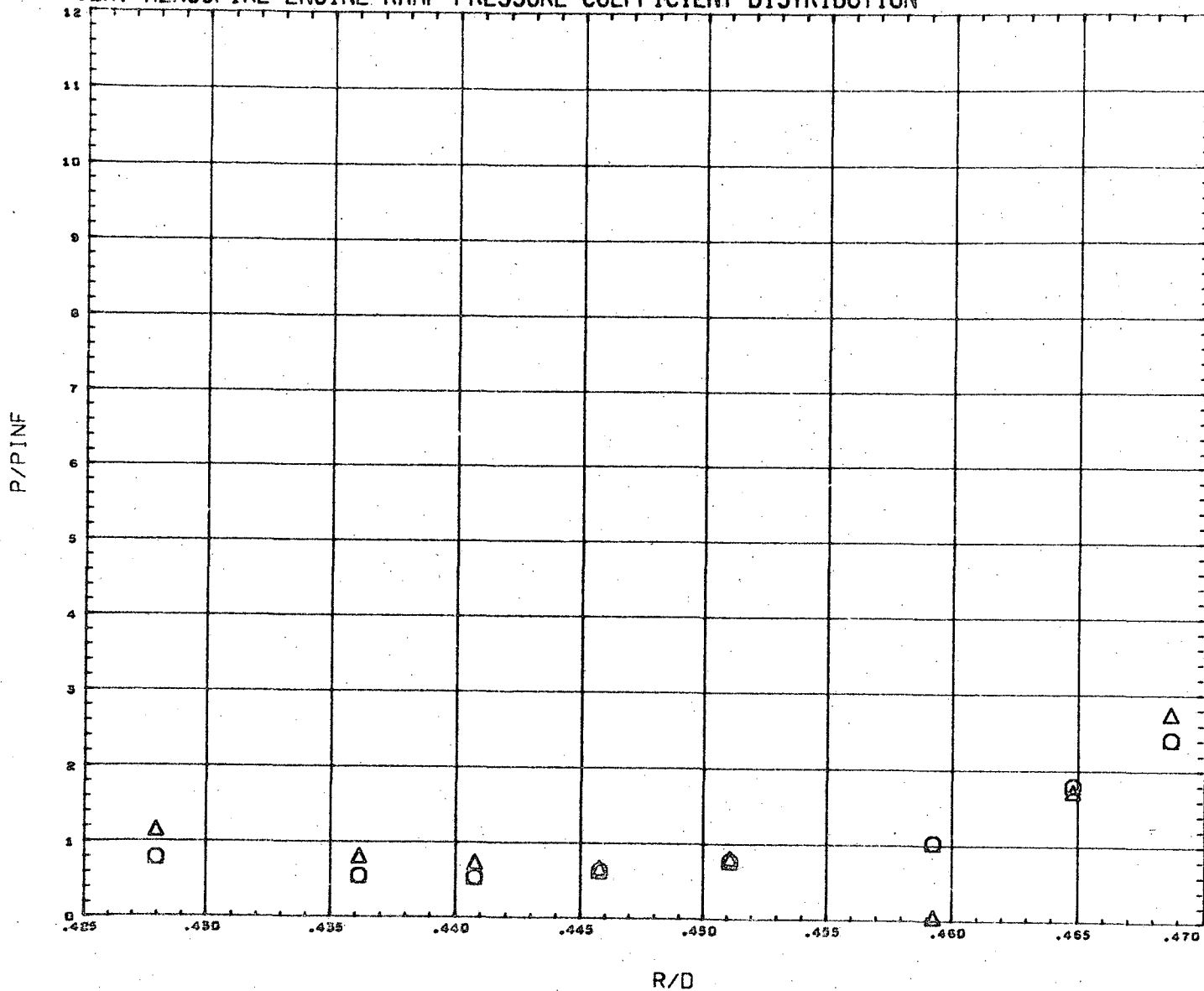
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



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	315.000			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

DATA SOURCE: F000E CC00 TM-AP-70-449

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION

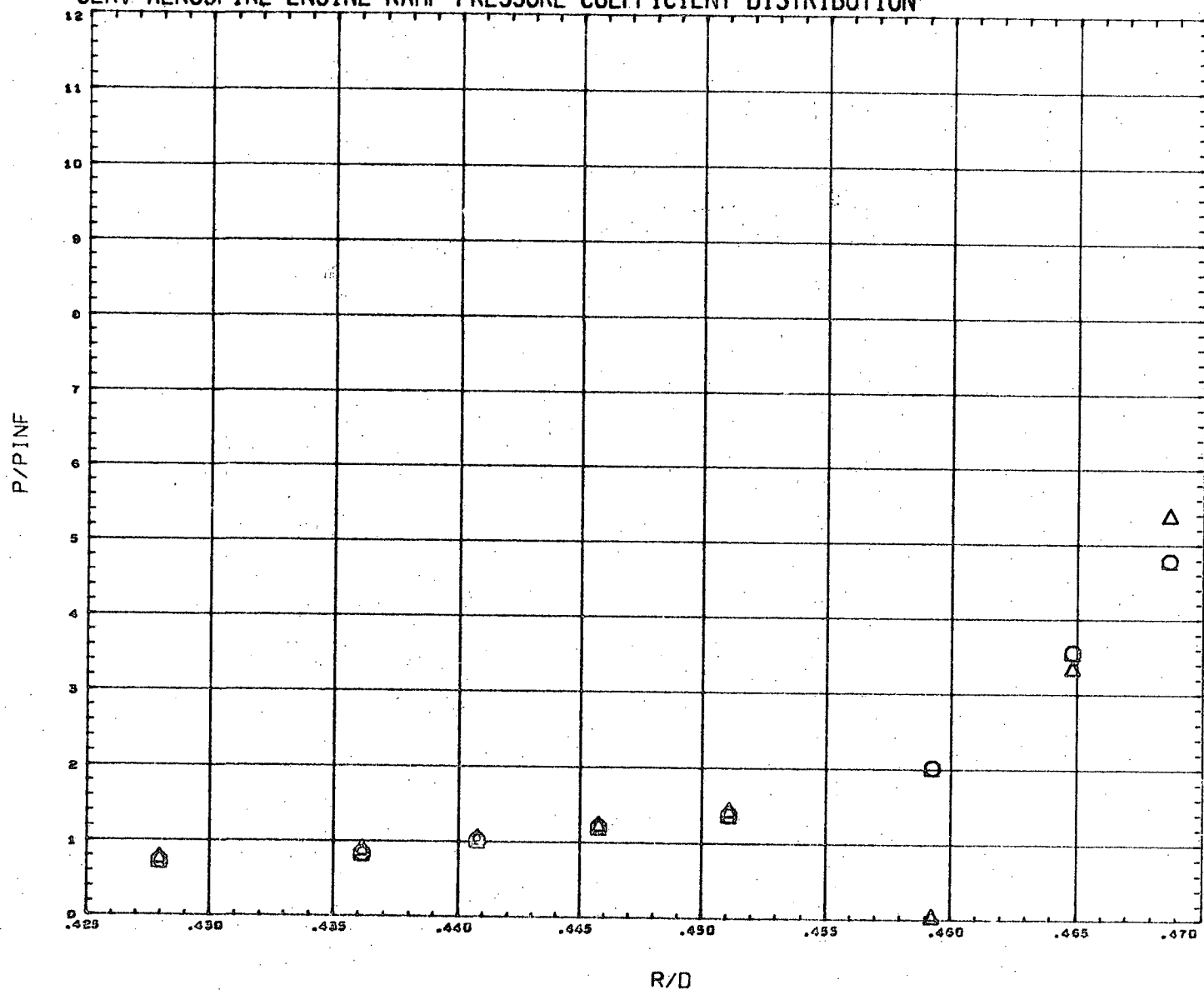


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△	315.000			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000

DATA8888.F008E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



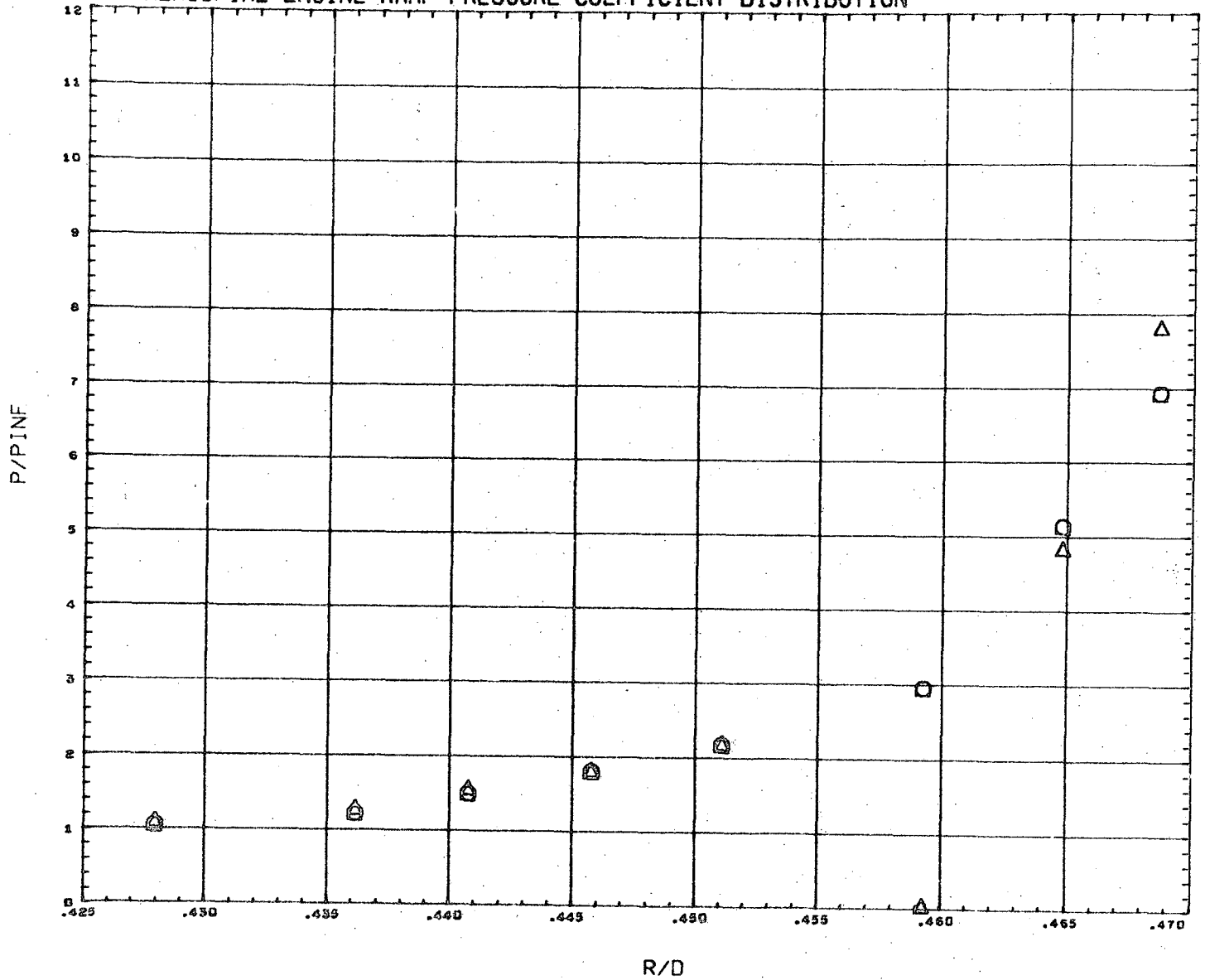
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				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

88108003.F000E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
○ 275.620 578.883 0.598
△ 315.000

SREF 572.557 58.1N.
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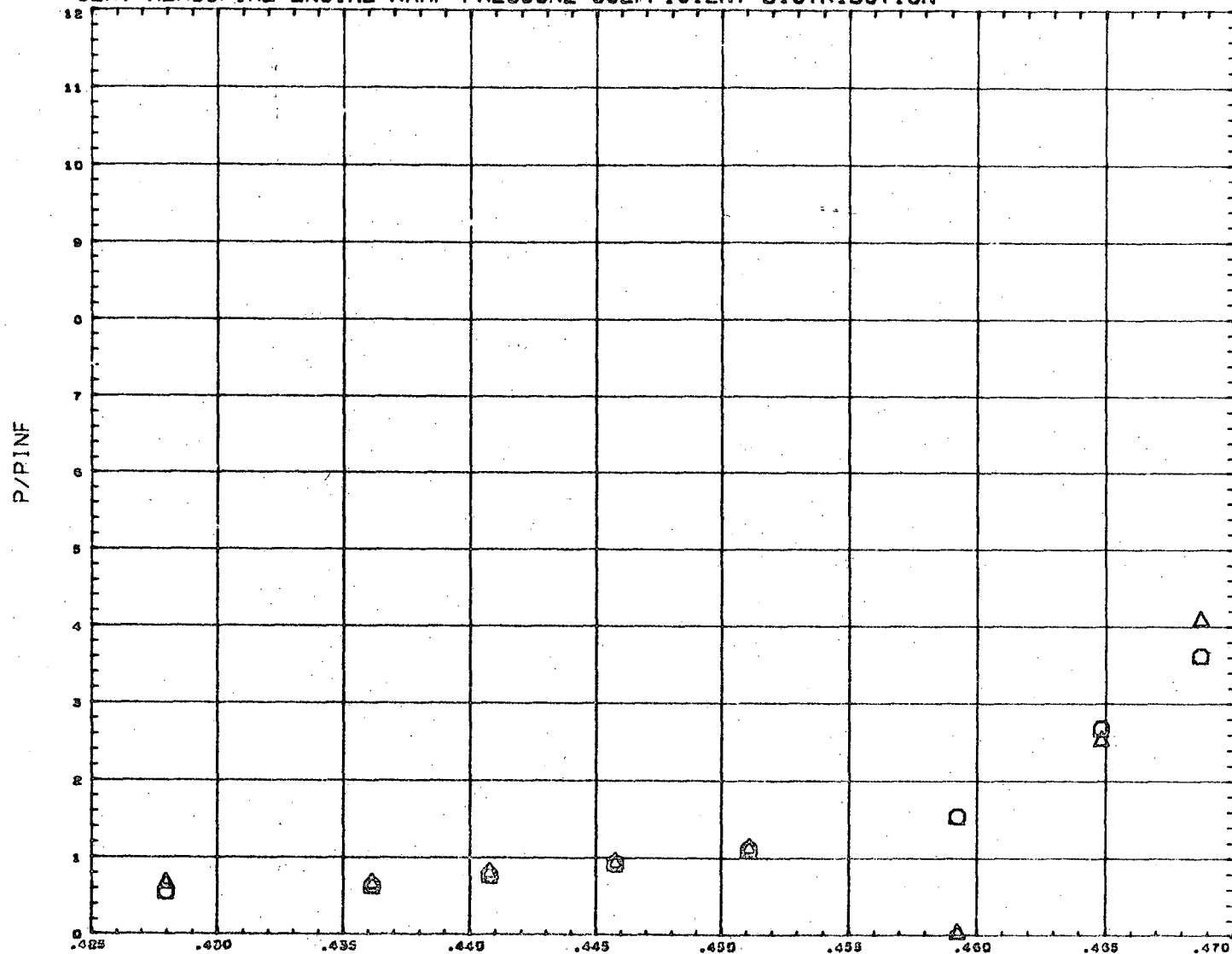
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FC 404.679 WS/WPC 0.000

00000000.FECEE CC60 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



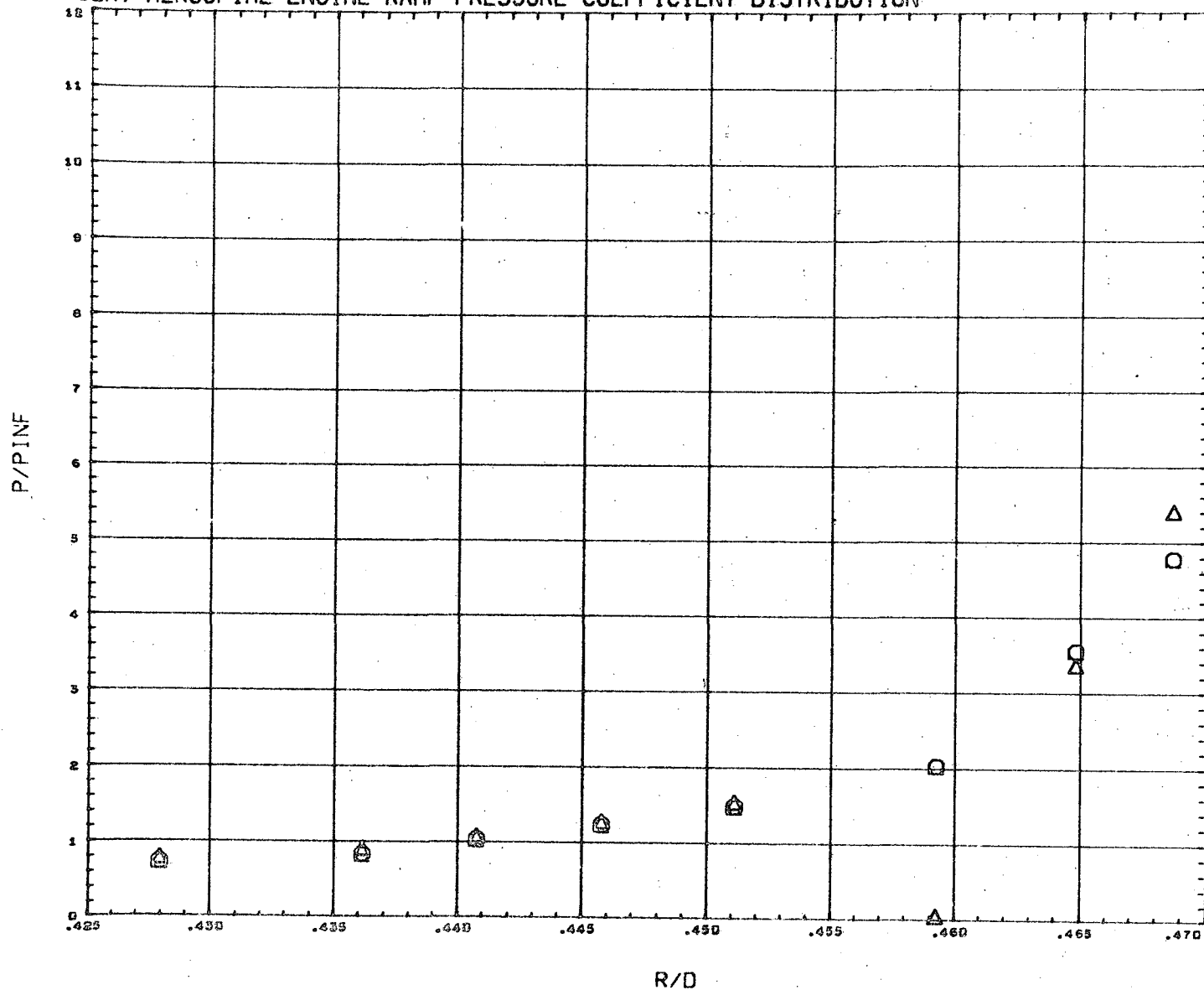
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				0.000	DIAMTR		
				0.000	DIAMTR		
				0.000	DIAMTR		

8870R0088.F662E CC80 TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



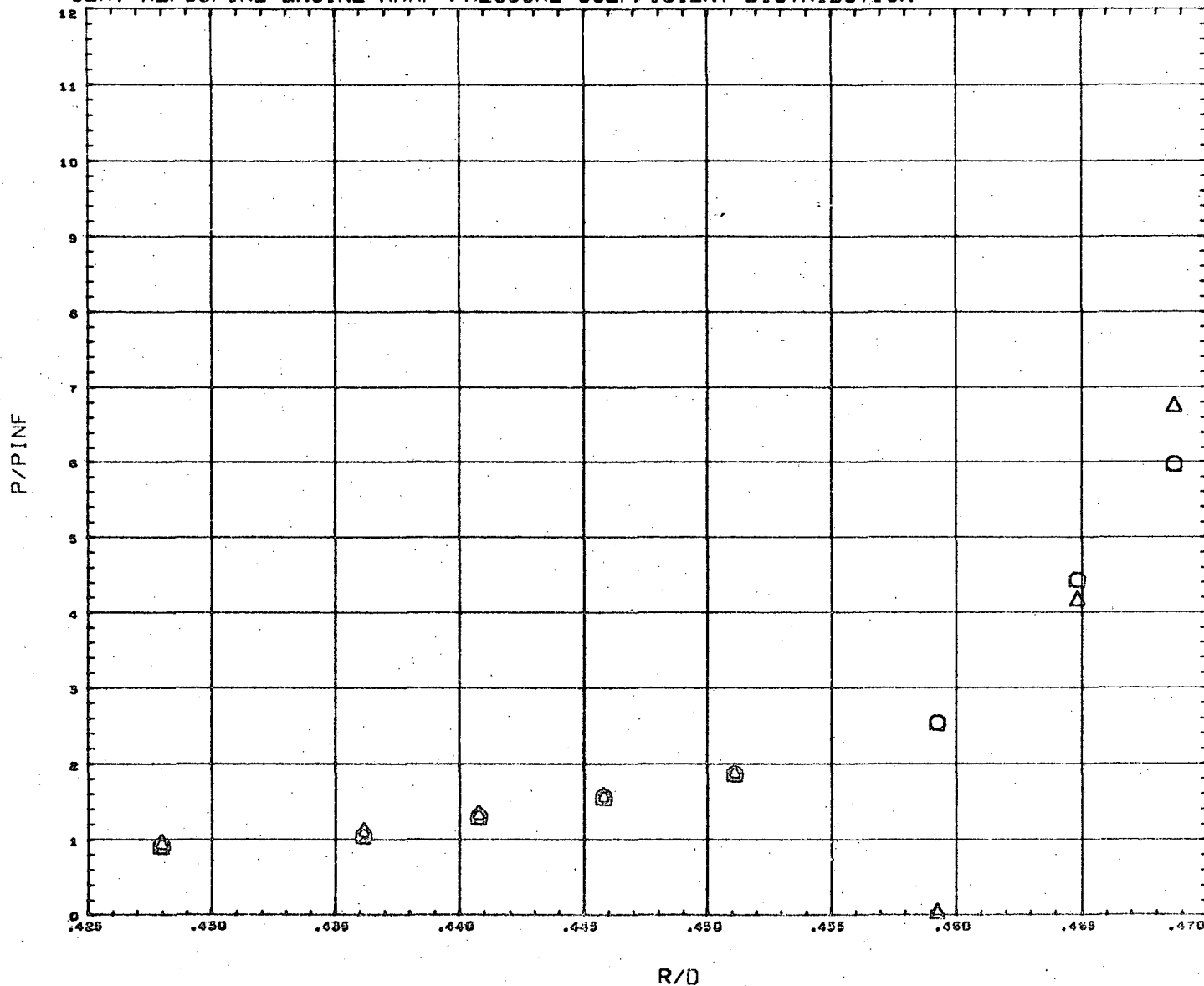
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				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

034313000.F000E CC30 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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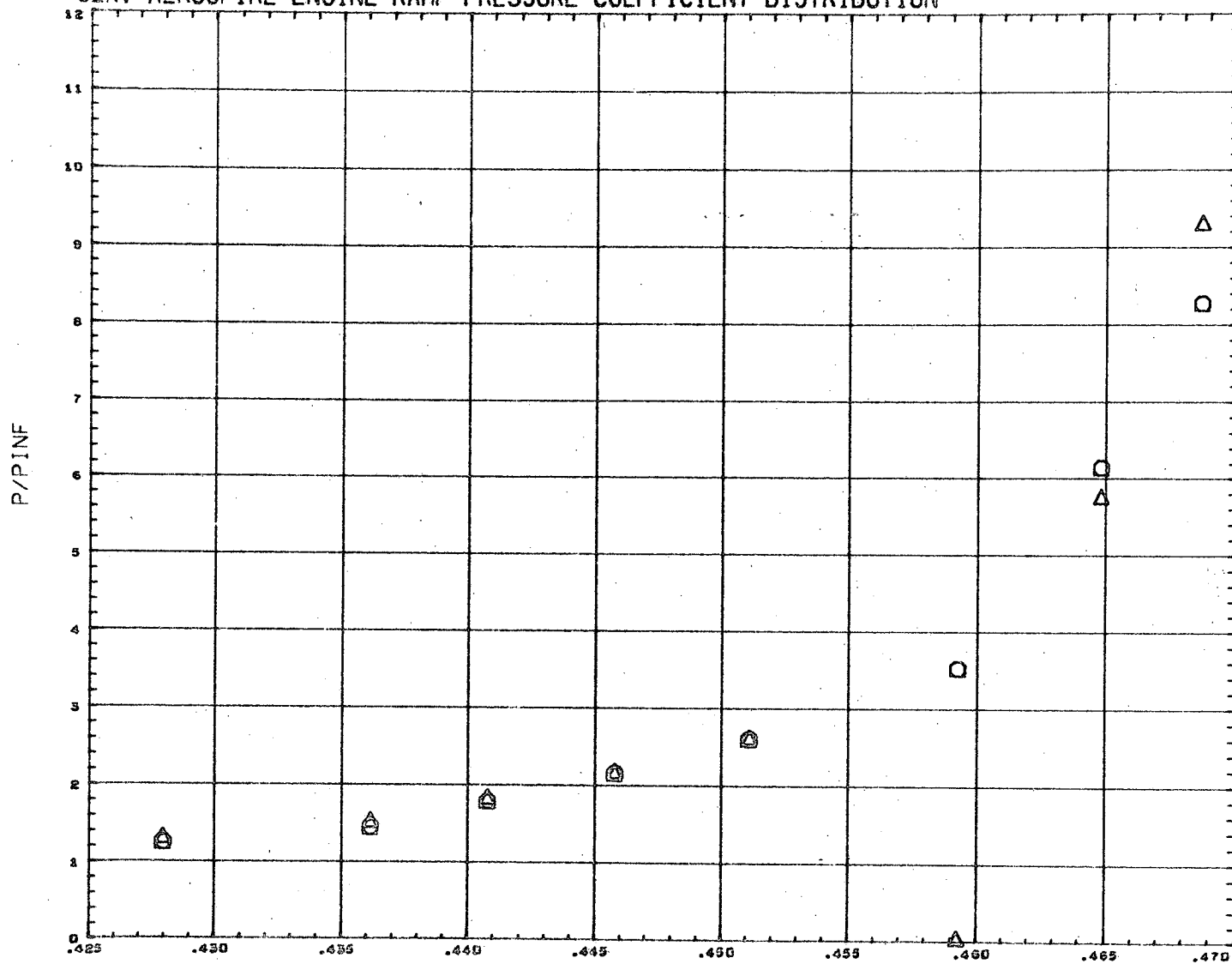
SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
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				BREF	27.000	INCHES	
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DB7BR0000.FE00E CC00 TN-AP-70-443

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

FRATIO

MACH

○

275.620
315.000

688.802

0.003

SREF

572.557

50. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAMTR

YMRP

0.000

DIAMTR

ZMRP

0.000

DIAMTR

E/DOOR

PARAMETRIC VALUES

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ALPHA

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PC

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WS/WPC

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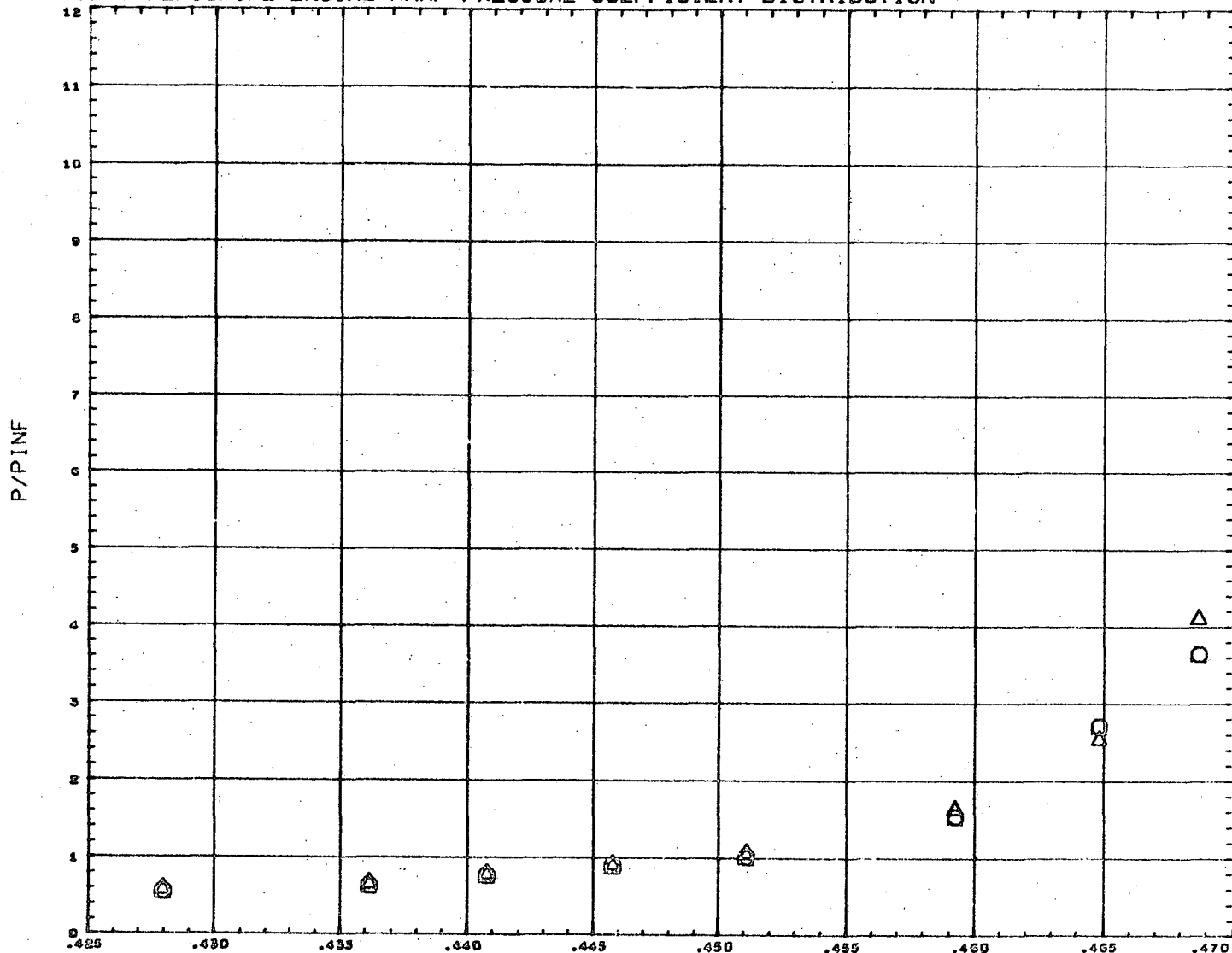
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CCSD TN-AP-70-465

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○
△

275.620
315.000

306.157

0.905

SREF

572.557

SQ.IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAHTR

YMRP

0.000

DIAHTR

ZMRP

0.000

DIAHTR

E/DOOR

PARAMETRIC VALUES

0.000

ALPHA

0.004

PC

404.679

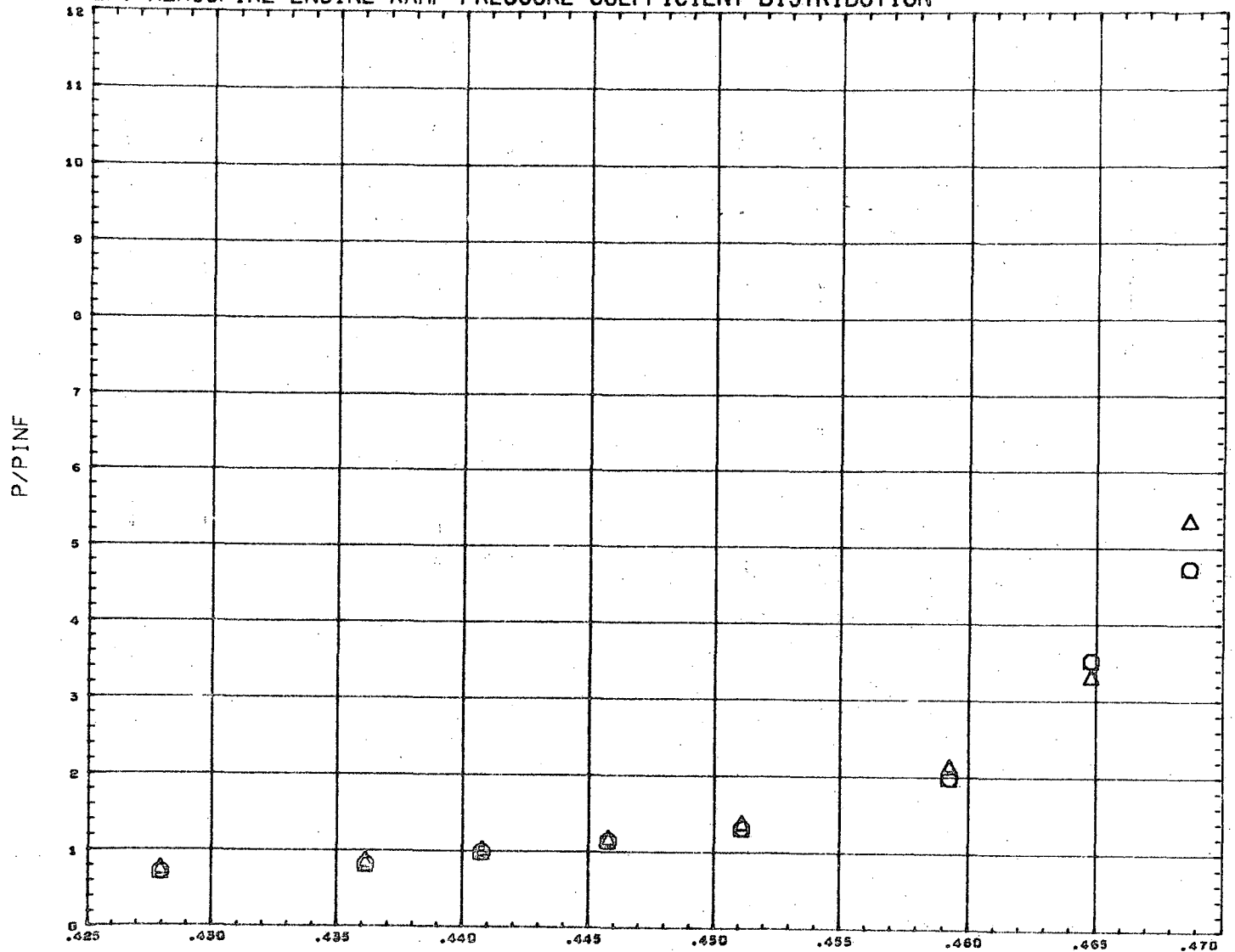
WS/WFC

0.000

007180007.FECSE

CCSD TN-AP-70-445

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

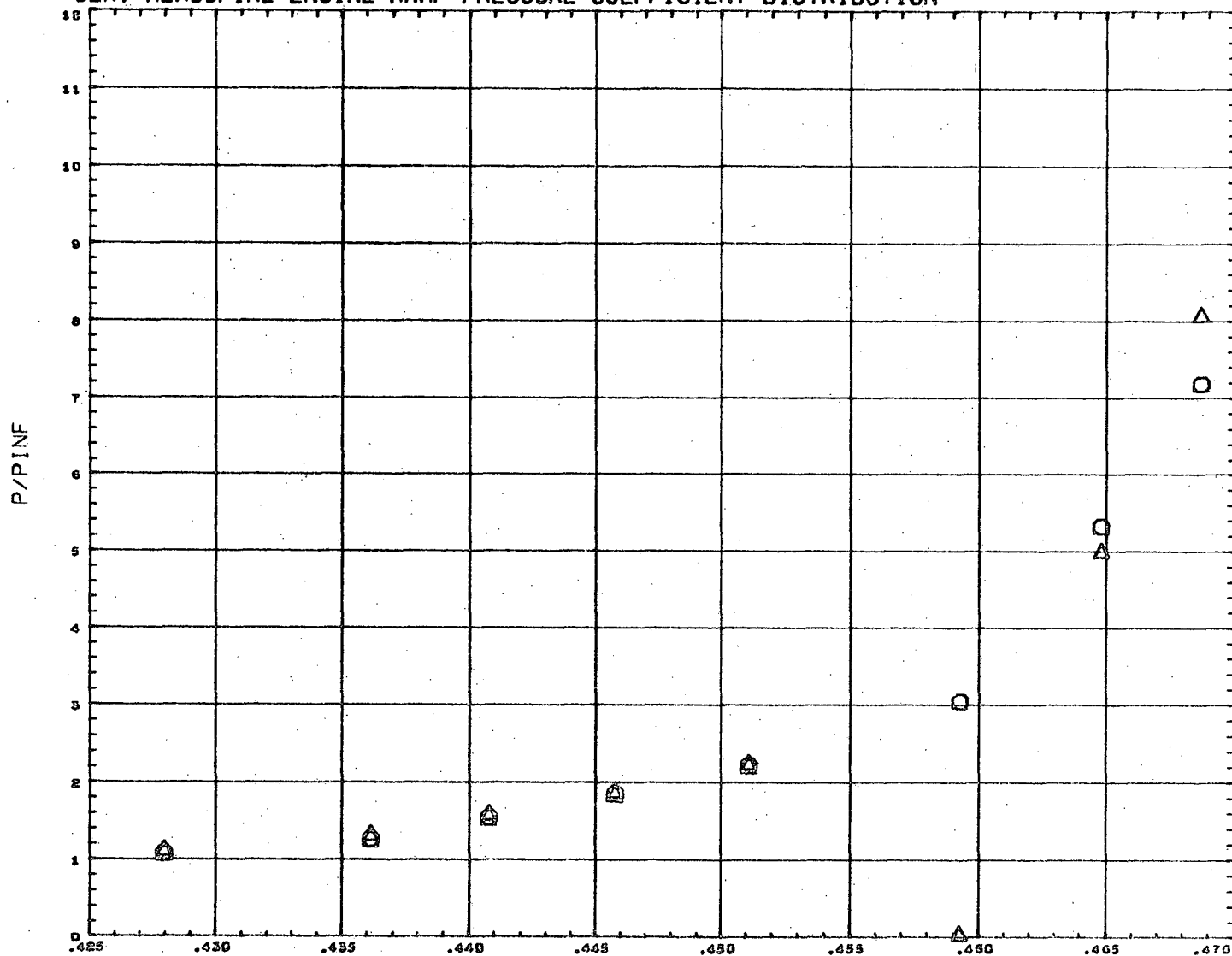
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC
O	275.620	399.757	0.900	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
Δ	315.000													

DATA BOOK FILE CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

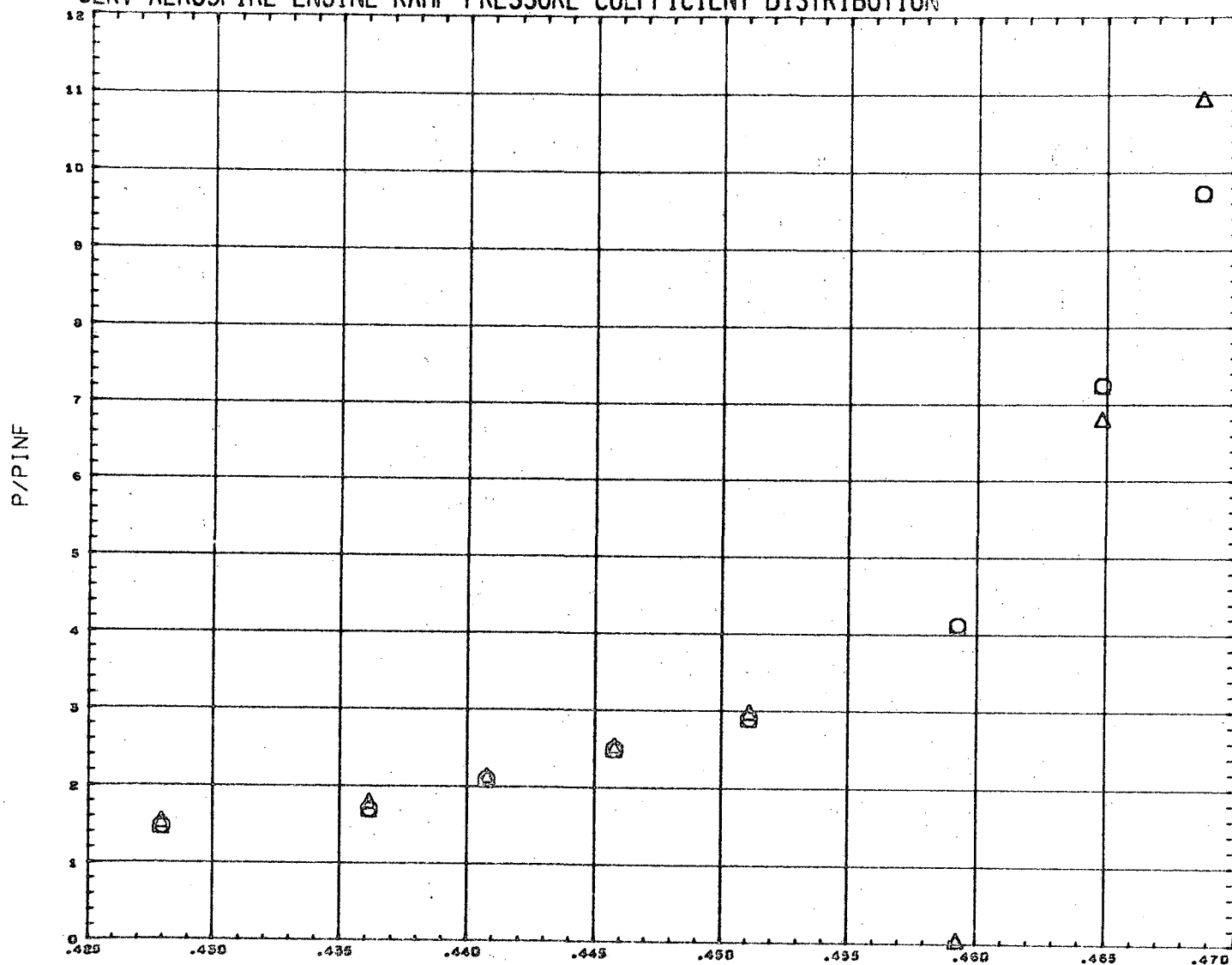
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	275.620	600.200	0.095	LREF	27.000	INCHES	0.000	ALPHA	0.004
△	315.000			BREF	27.000	INCHES	PC	404.679	WS/WFC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

00780000.FE00E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○

275.620

0.12.557

0.902

△

315.000

SREF

572.557

58. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XMRP

0.000

DIAMTR

YMRP

0.000

DIAMTR

ZMRP

0.000

DIAMTR

E/DOOR

PARAMETRIC VALUES

0.000

ALPHA

0.004

PC

404.679

WS/WPC

0.000

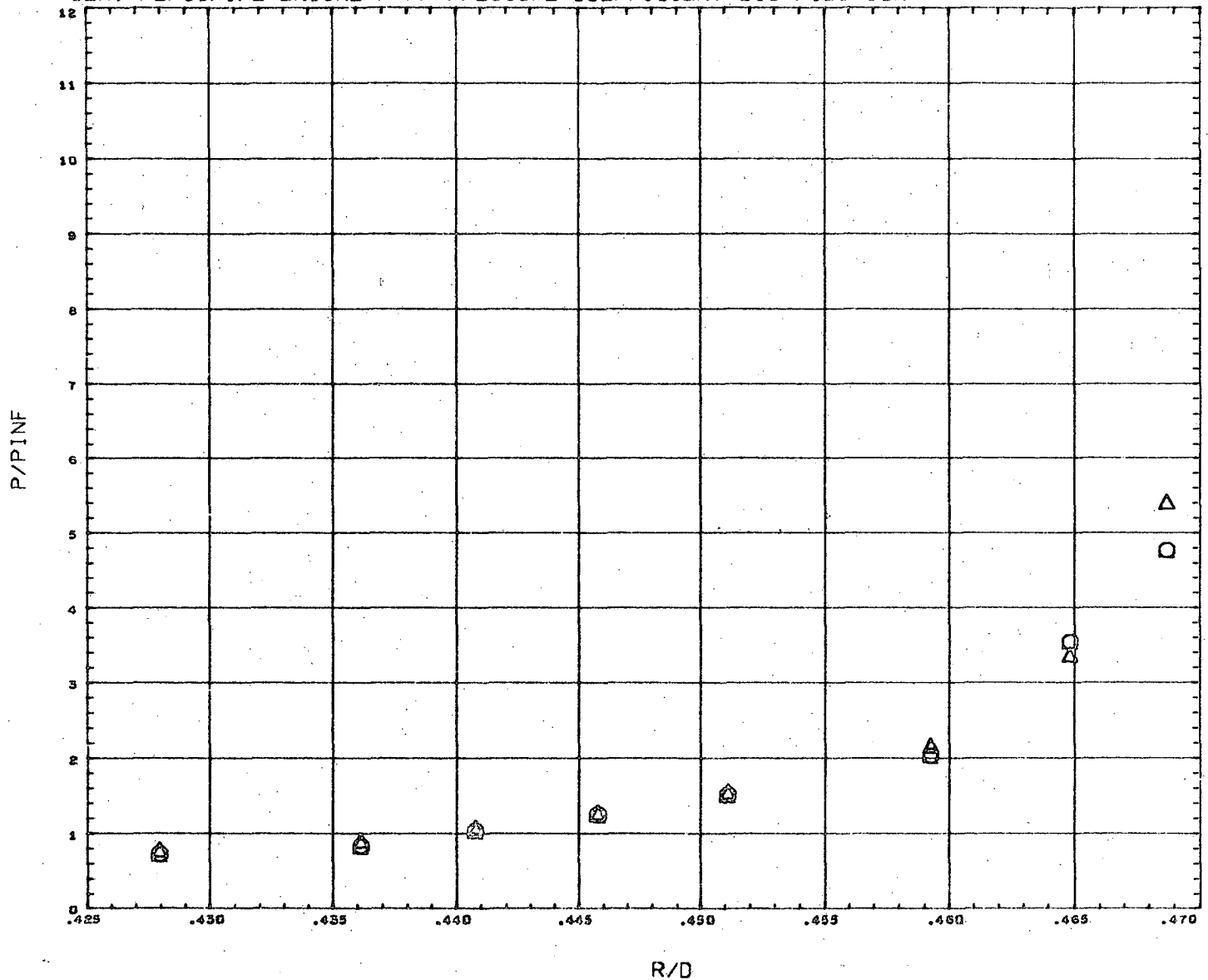
027542000.F000E

CCSD TH-AP-70-349

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL: THETA PRATIO MACH
 O 275.620 395.993 1.100
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

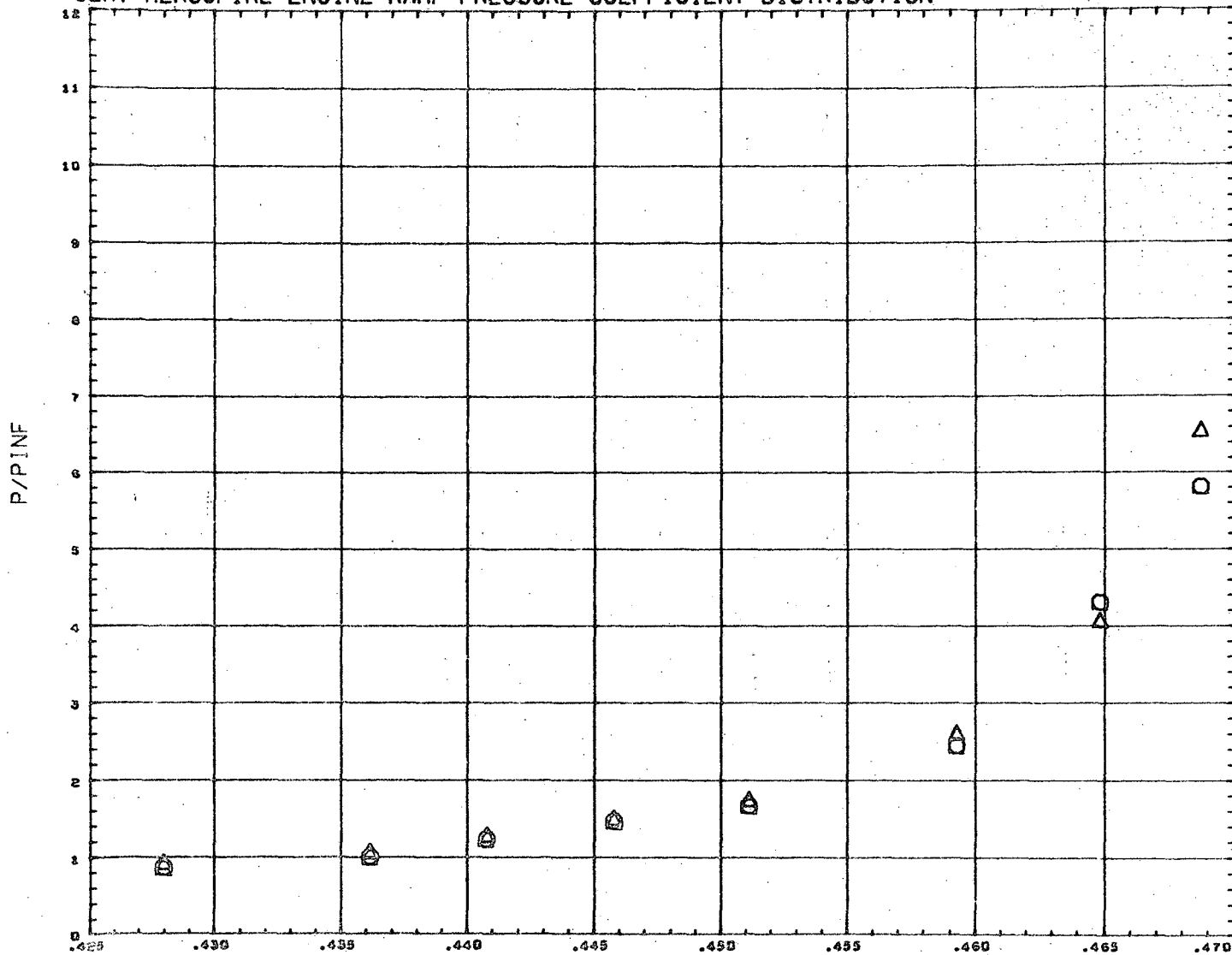
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

MASTERDOGS.FC03E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○
△

275.625
315.000

491.380

1.101

SREF 572.557 50. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

E/DOOR
PC

PARAMETRIC VALUES

0.000 ALPHA 0.004
404.679 WS/WPC 0.000

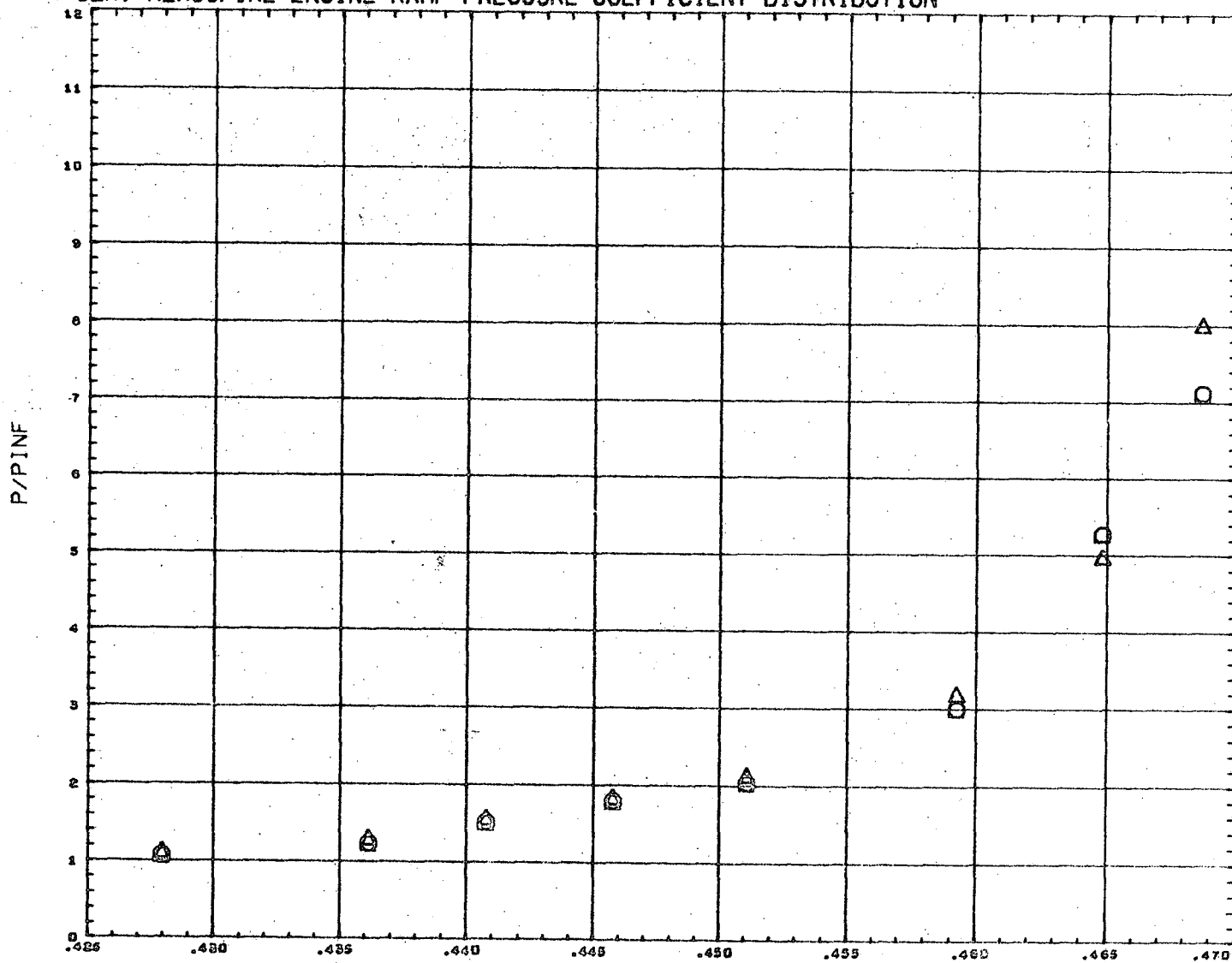
DATAPROCESS.FC00E

CCSD TN-AP-70-448

AEDC TF 750 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

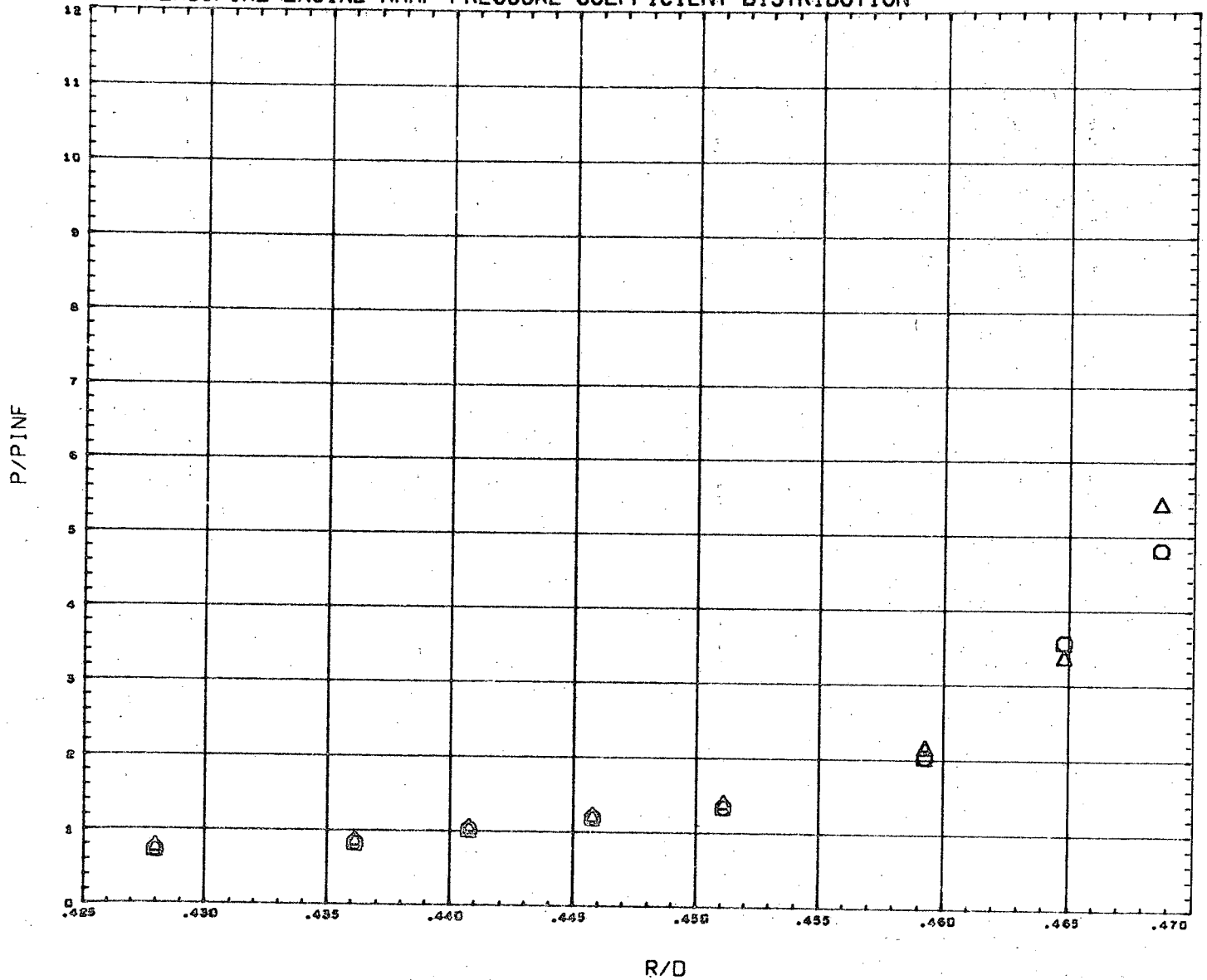
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△	315.000			BREF	27.000	INCHES		404.679	WS/WPC
				XMRP	0.000	DIANTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

BS76RB06R.F002E CCSD TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 875.625 406.123 1.254
 A 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

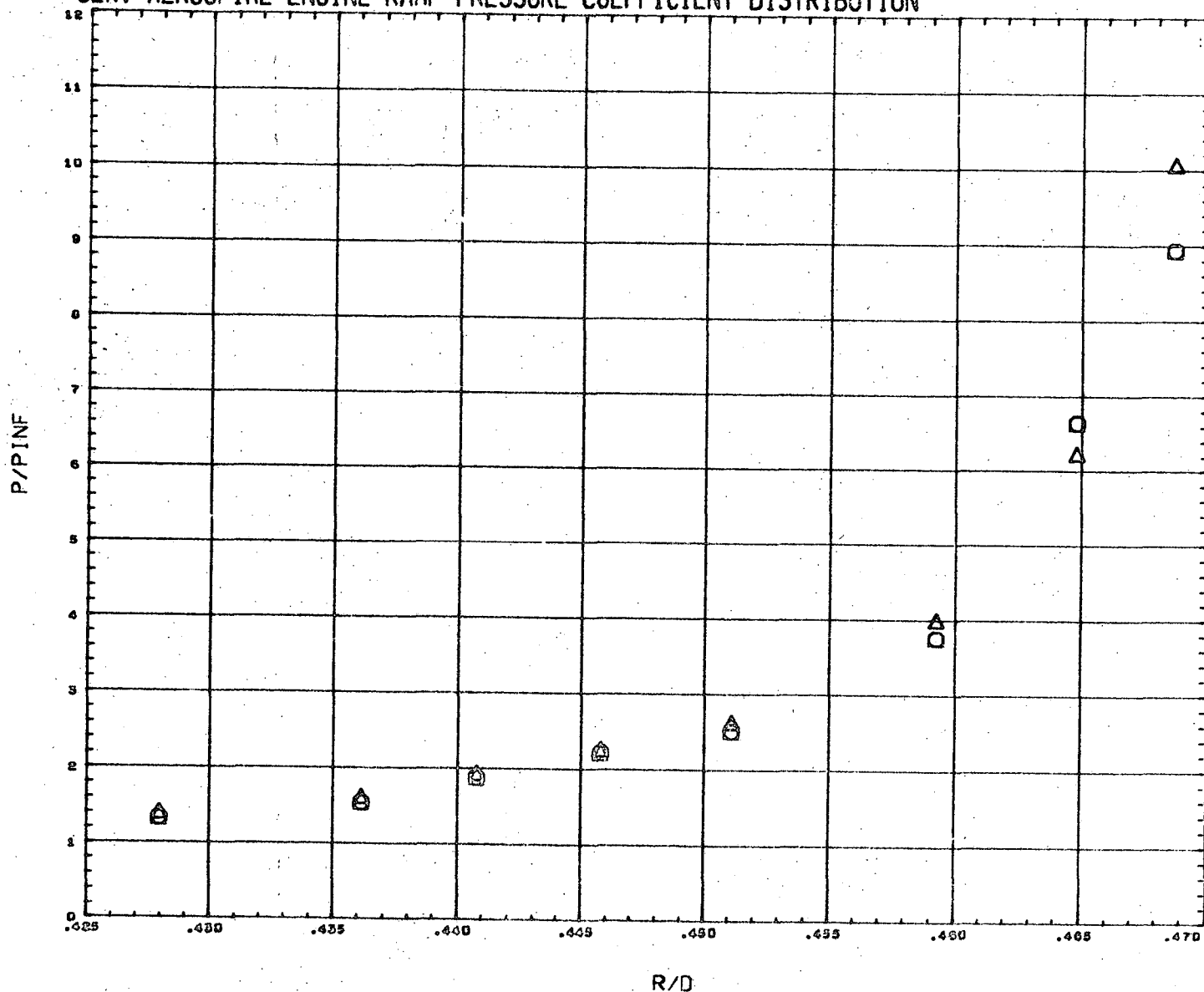
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

DATA SOURCE: F005E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 751.932 1.261
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

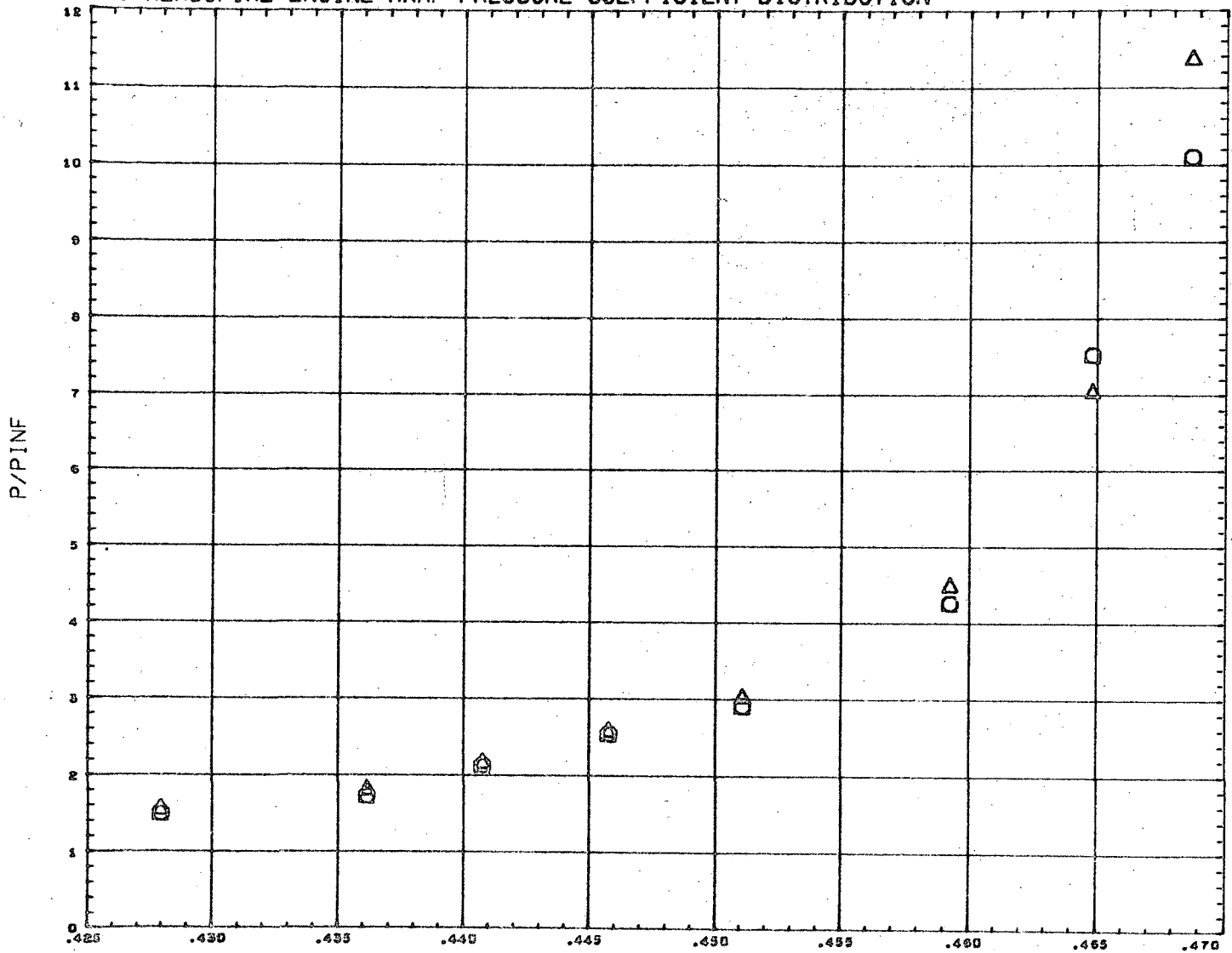
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA SOURCE: FICSE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 831.960 1.248
 Δ 315.000

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRF 0.000 DIAMTR
 YHRF 0.000 DIAMTR
 ZHRF 0.000 DIAMTR

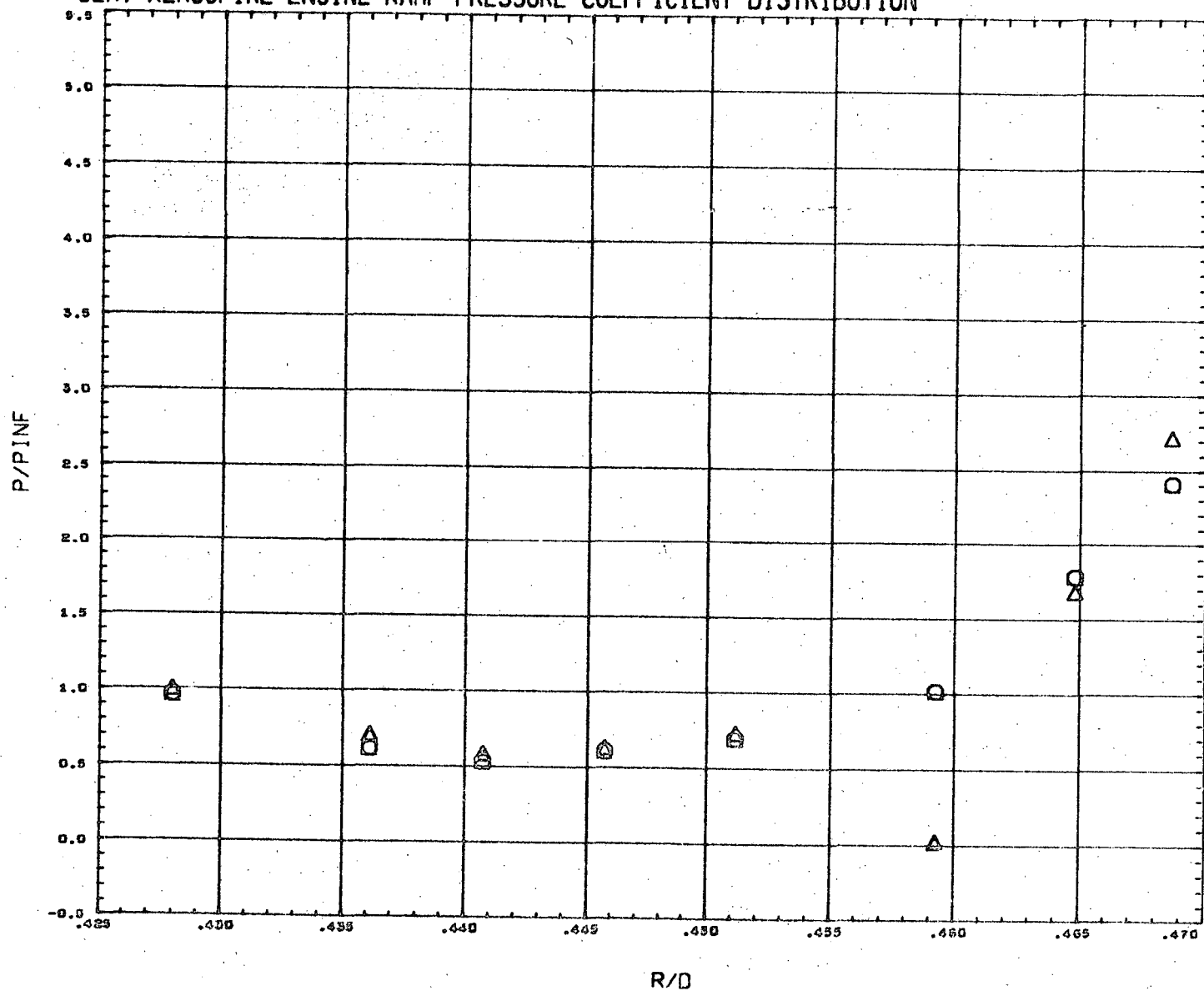
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

027355005.F000E CC00 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7440)

PAGE 391

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 202.083 0.599
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XNRP 0.000 DIAMTR
 YNRP 0.000 DIAMTR
 ZNRP 0.000 DIAMTR

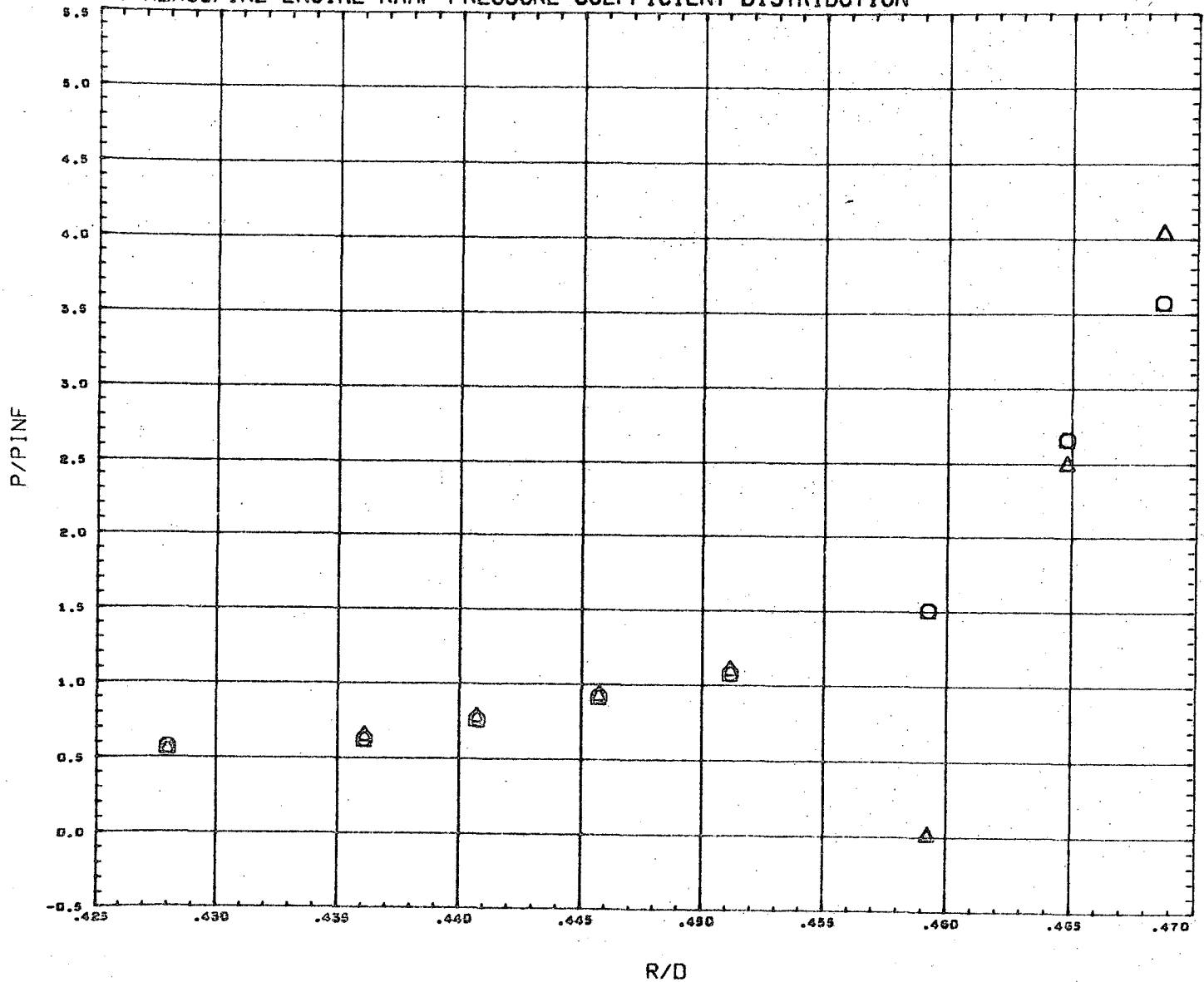
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

00050000.FEC0E CC00 TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



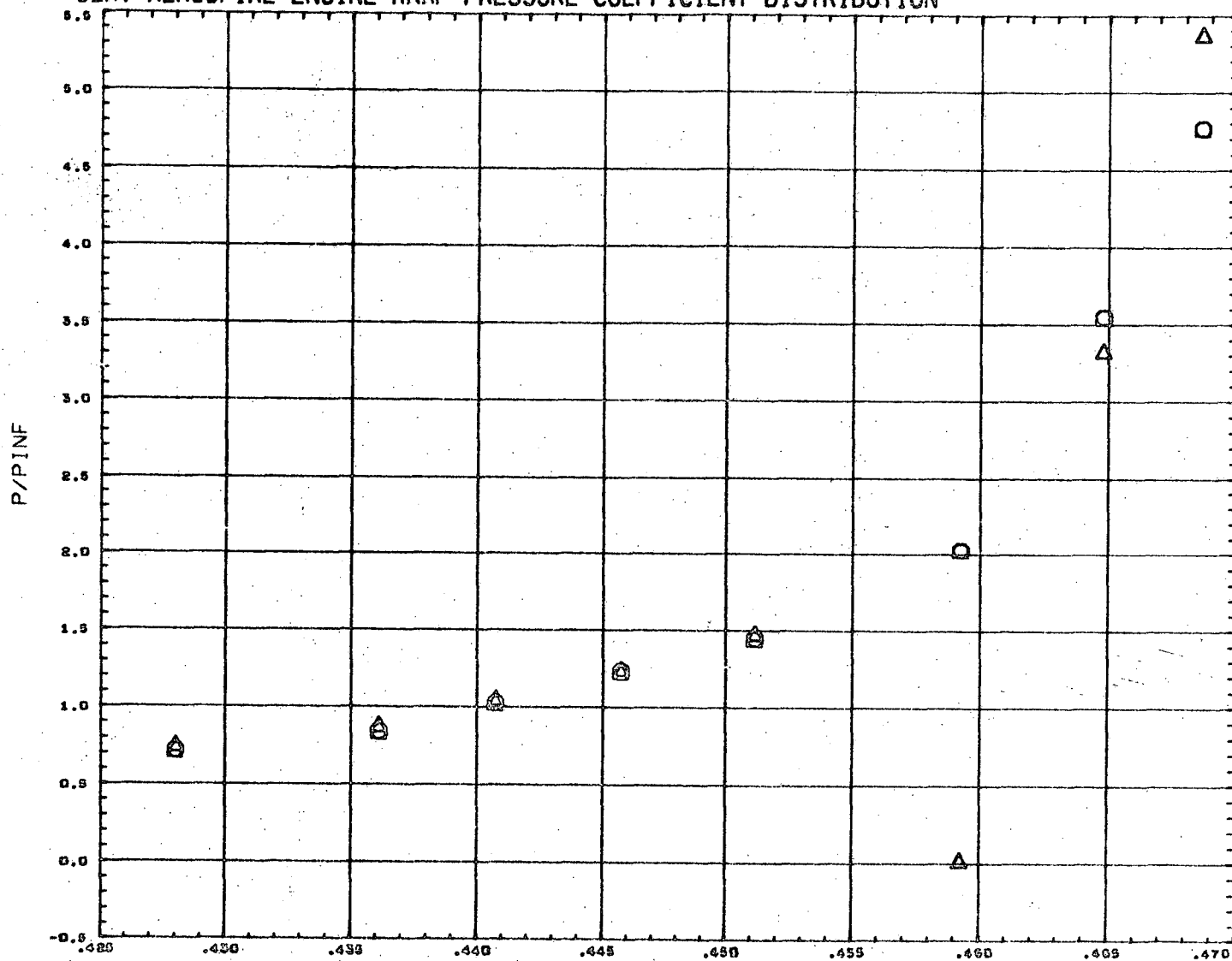
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○	275.523	299.500	0.801	SREF	572.557	SQ.IN.	E/DOOR
△	313.000			LREF	27.000	INCHES	FC
				BREF	27.000	INCHES	
				XMRP	0.000	DIAHTR	
				YMRP	0.000	DIAHTR	
				ZMRP	0.000	DIAHTR	

OUTERDOOR.FCISE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 390.487 0.099
 A 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

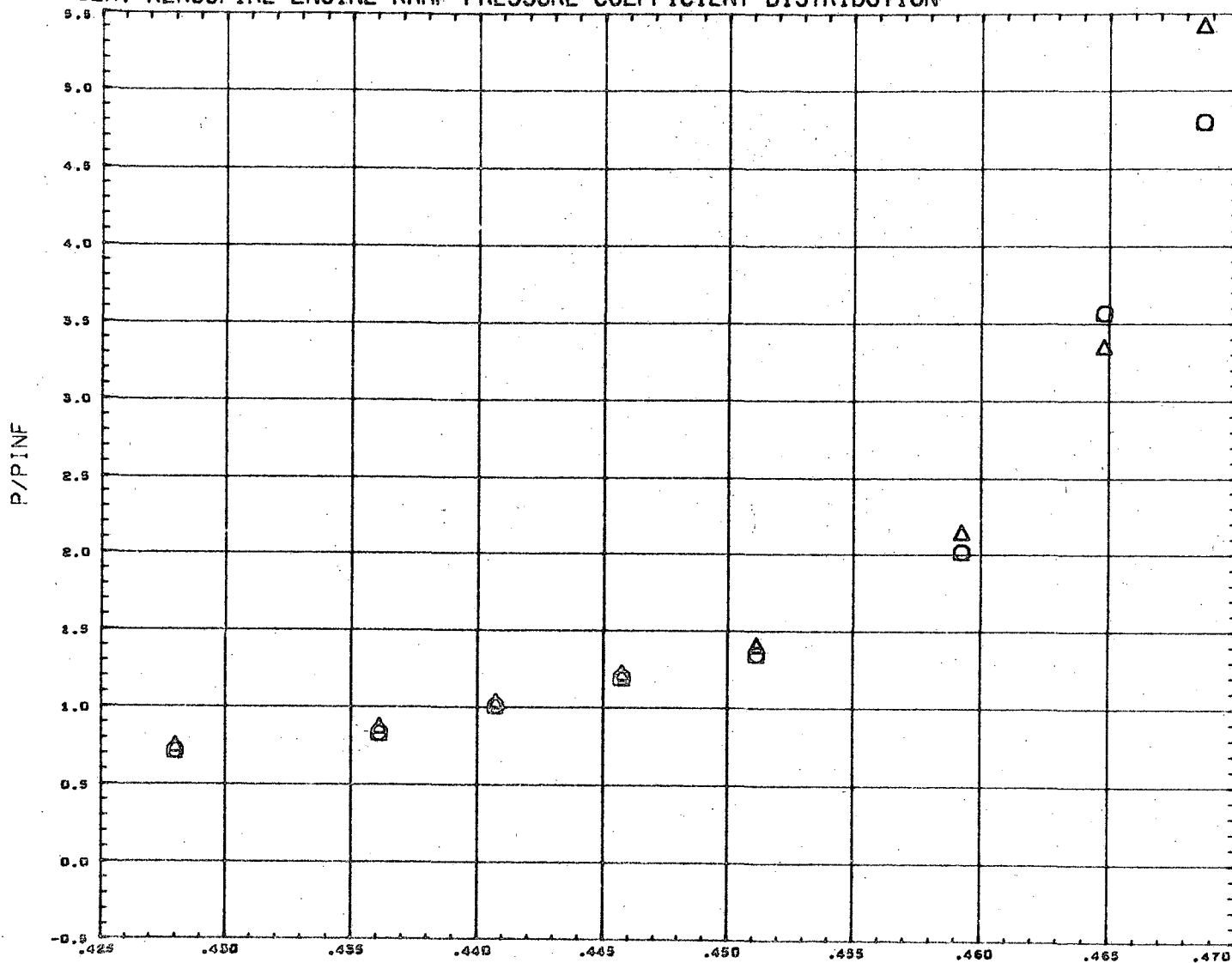
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.022
 PC 402.996 WS/WFC 0.000

DATA REDUCED FROM CCSD TM-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.520 402.407 1.100
 Δ 315.000

SREF 572.557 Sq. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

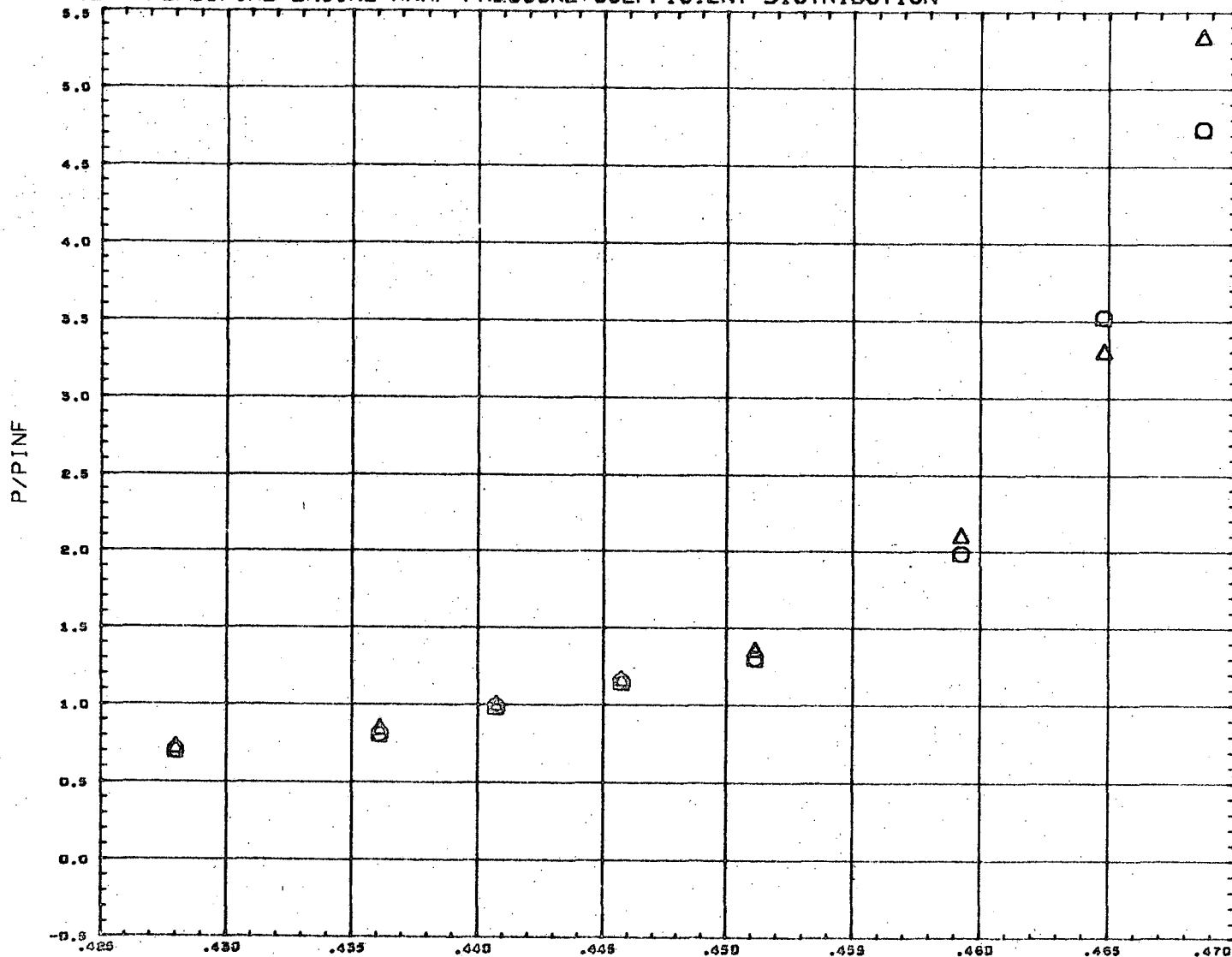
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

80030000.FEC0E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

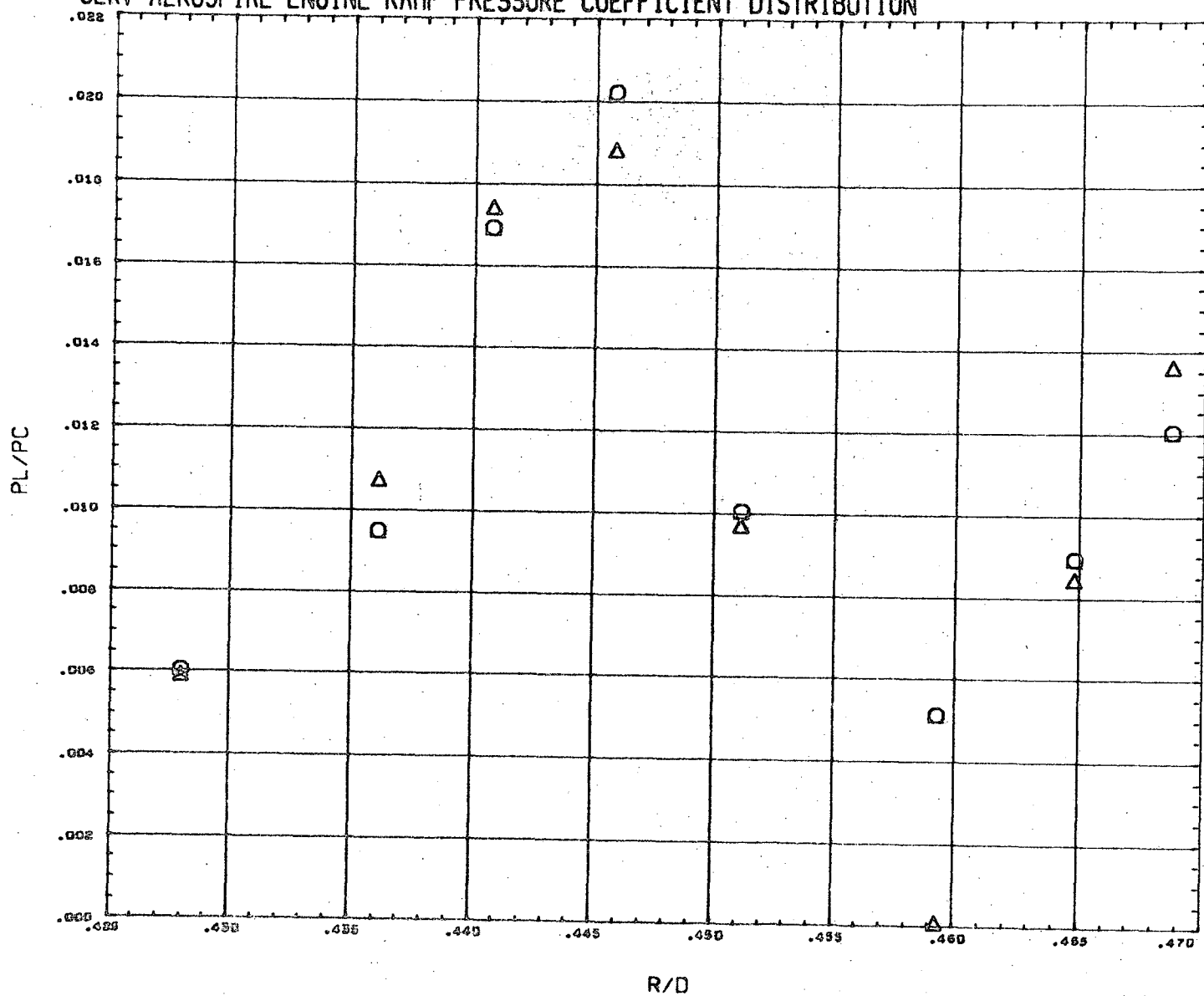
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△	315.000			LREF	27.000	INCHES	FC	402.996	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

0078000.FE00E CC60 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (BT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL TNET PRATIO MACH
 O 275.500 125.800 0.036
 Δ 315.000

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR



PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

057088003.FE02E CCSD TH-AP-70-445

AEOC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

The figure is a scatter plot titled "PRESSURE COEFFICIENT DISTRIBUTION". The vertical axis (y-axis) is labeled with values 0.000, 0.002, 0.004, 0.006, 0.008, 0.010, 0.012, 0.014, 0.016, 0.018, and 0.020. The horizontal axis (x-axis) is labeled with values 0.488, 0.486, 0.484, 0.482, 0.480, 0.478, 0.476, 0.474, and 0.472. The plot contains two data series: one represented by open triangles and the other by open squares. The data points are as follows:

Series	X-axis Value (approx.)	Y-axis Value (approx.)
Triangle	0.487	0.005
Triangle	0.483	0.013
Triangle	0.481	0.015
Triangle	0.478	0.010
Triangle	0.476	0.006
Triangle	0.474	0.000
Triangle	0.472	0.013
Square	0.481	0.015
Square	0.478	0.009
Square	0.476	0.006
Square	0.474	0.005
Square	0.472	0.011
Square	0.470	0.005

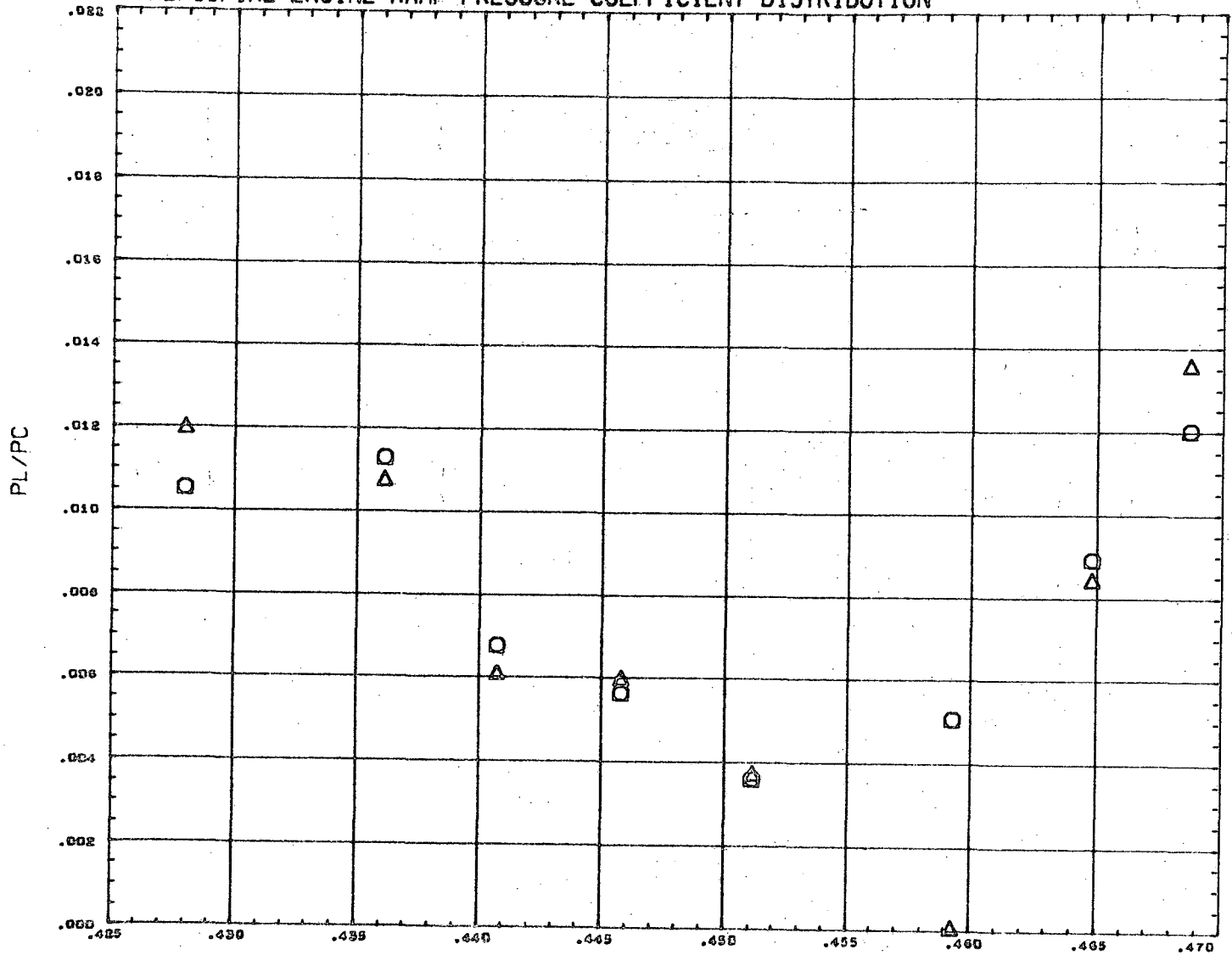
SYMBOL	THETA	PRATIO	MACH
	275.620	151.083	0.090
	313.000		

SRF	578.587	SA. IN.
LRF	27.000	INCHES
ORF	27.000	INCHES
XMR	0.000	DIAMTR
YMR	0.000	DIAMTR
ZMR	0.000	DIAMTR

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

0076R000E.F000E 0000 TN-AP-70-440

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

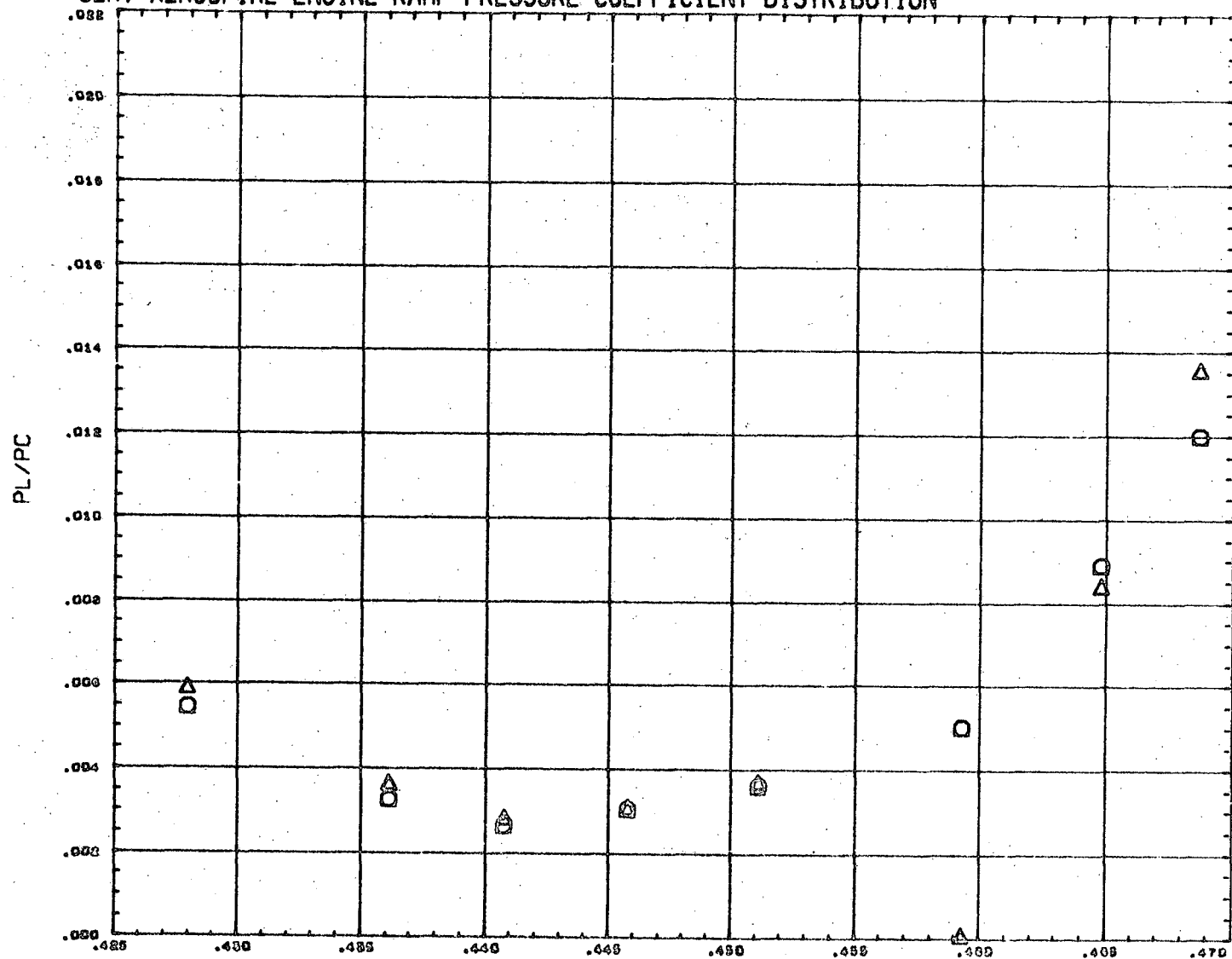
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△	315.000			50.000	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR					

0578R0001.FIG01 CC85 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 875.020 304.463 0.074
 A 315.000

BREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

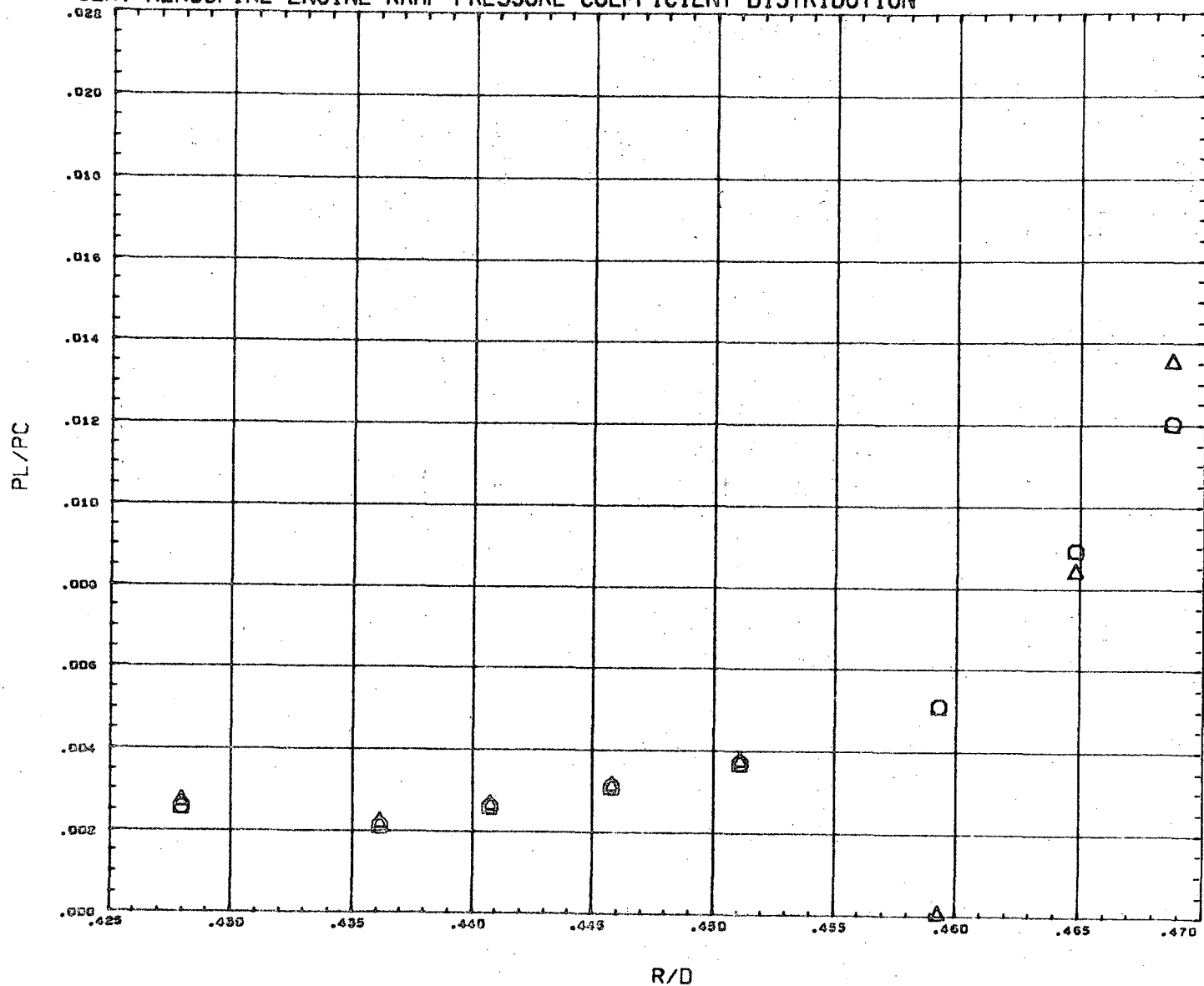
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

DEVELOPMENT F660E CC09 TW-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 271.530 401.790 0.123
 A 313.800

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

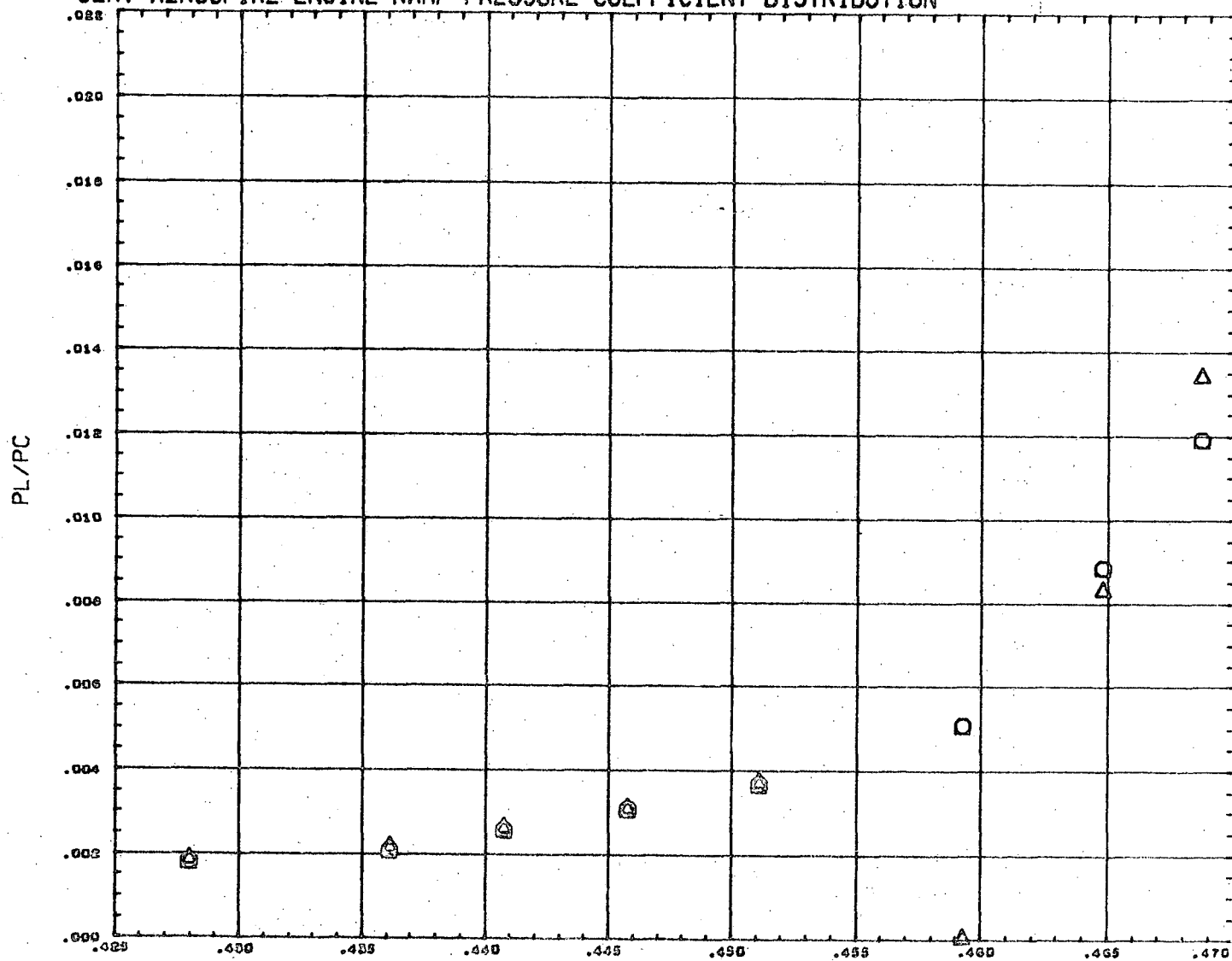
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

DATA REDUCED BY CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 275.620 481.607 0.131
△ 315.000

SREF 572.957 50. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

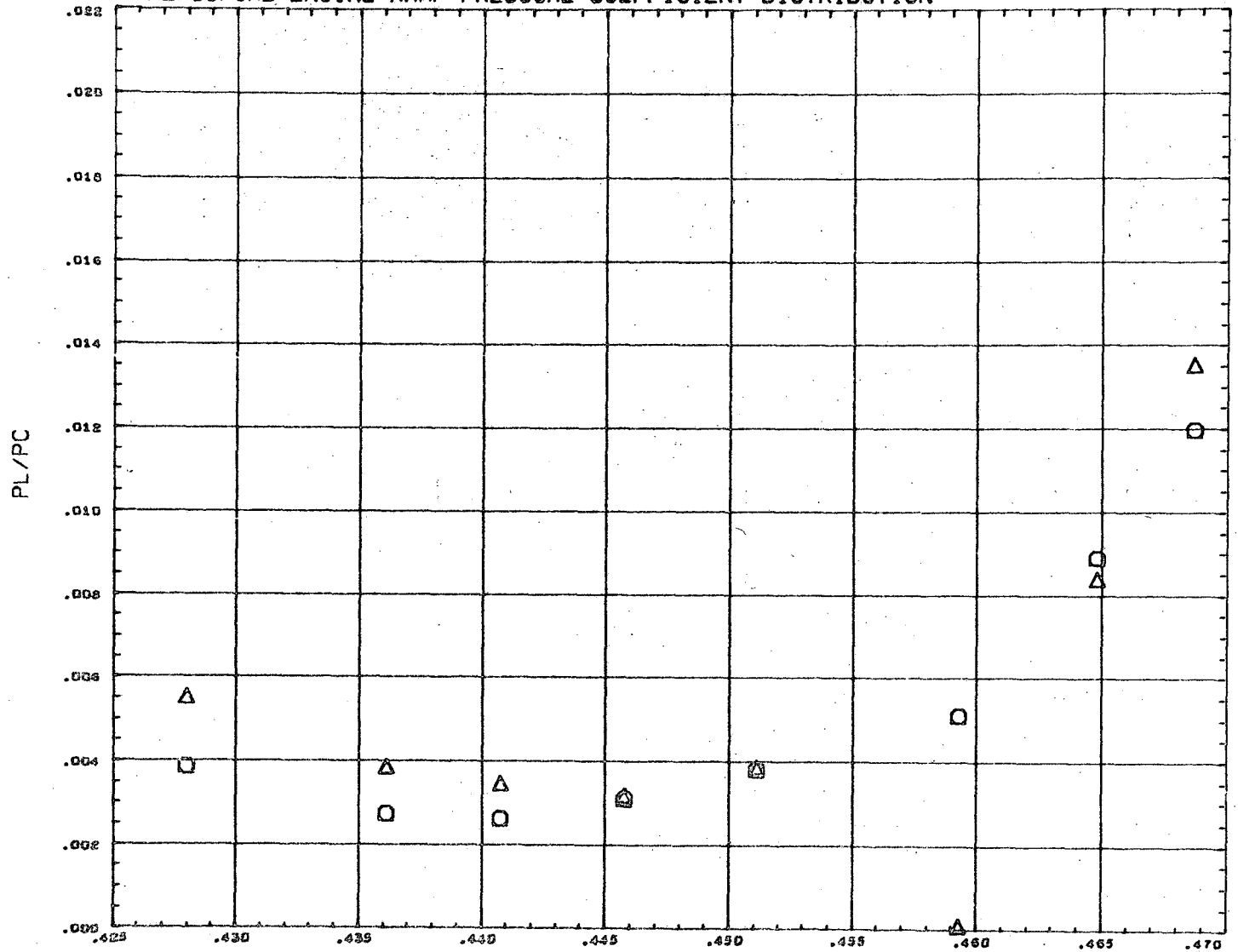
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WPC 0.000

B07082008.FEC0E CCSD TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○

273.620

201.700

0.600

△

315.000

SREF

572.557

SQ. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XHRP

0.000

DIAMTR

YHRP

0.000

DIAMTR

ZHRP

0.000

DIAMTR

E/DOOR

PARAMETRIC VALUES

D.000

ALPHA

0.004

PC

404.679

WS/WFC

0.000

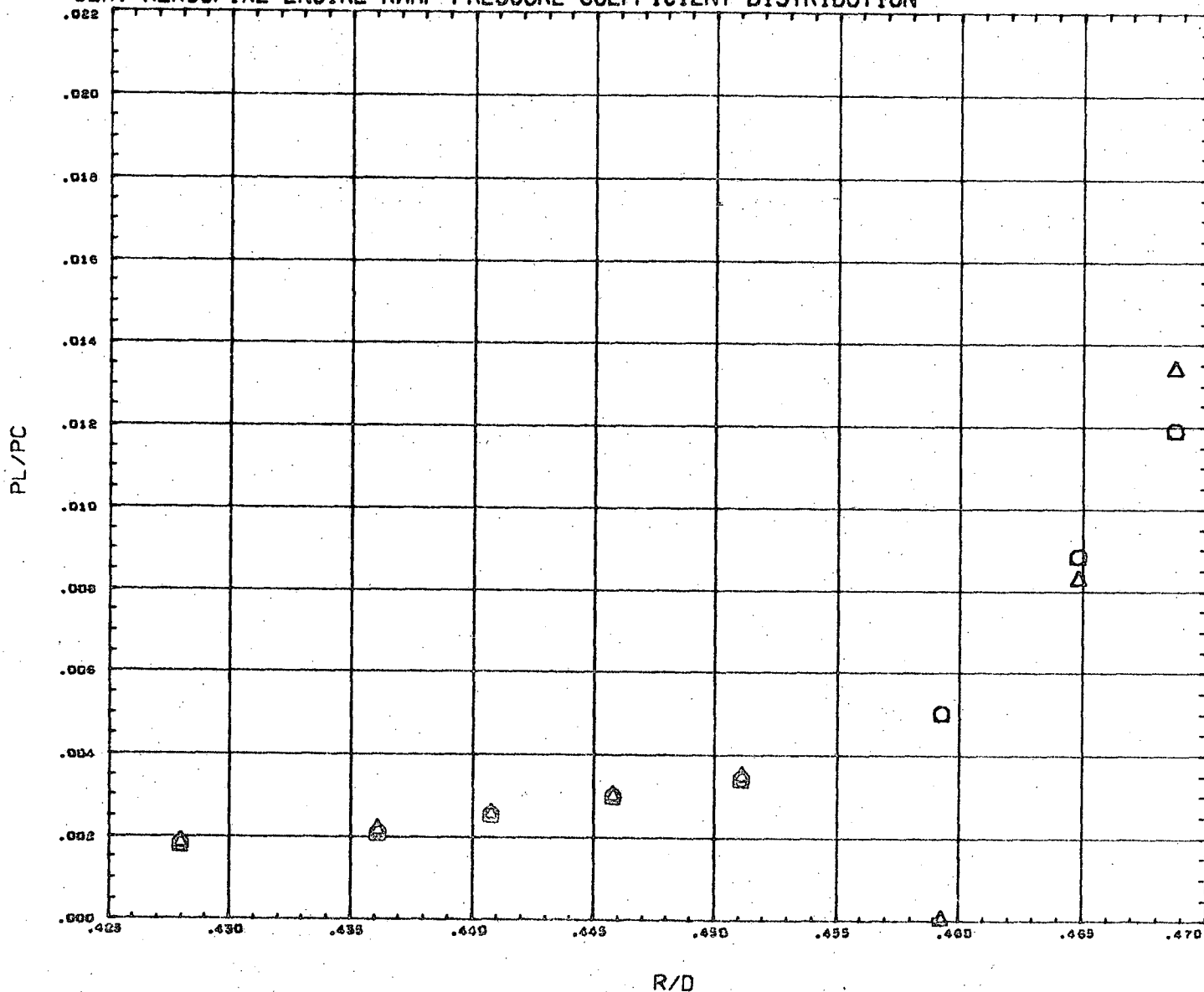
INTERROG. FICSE

CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620
 A 315.000

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

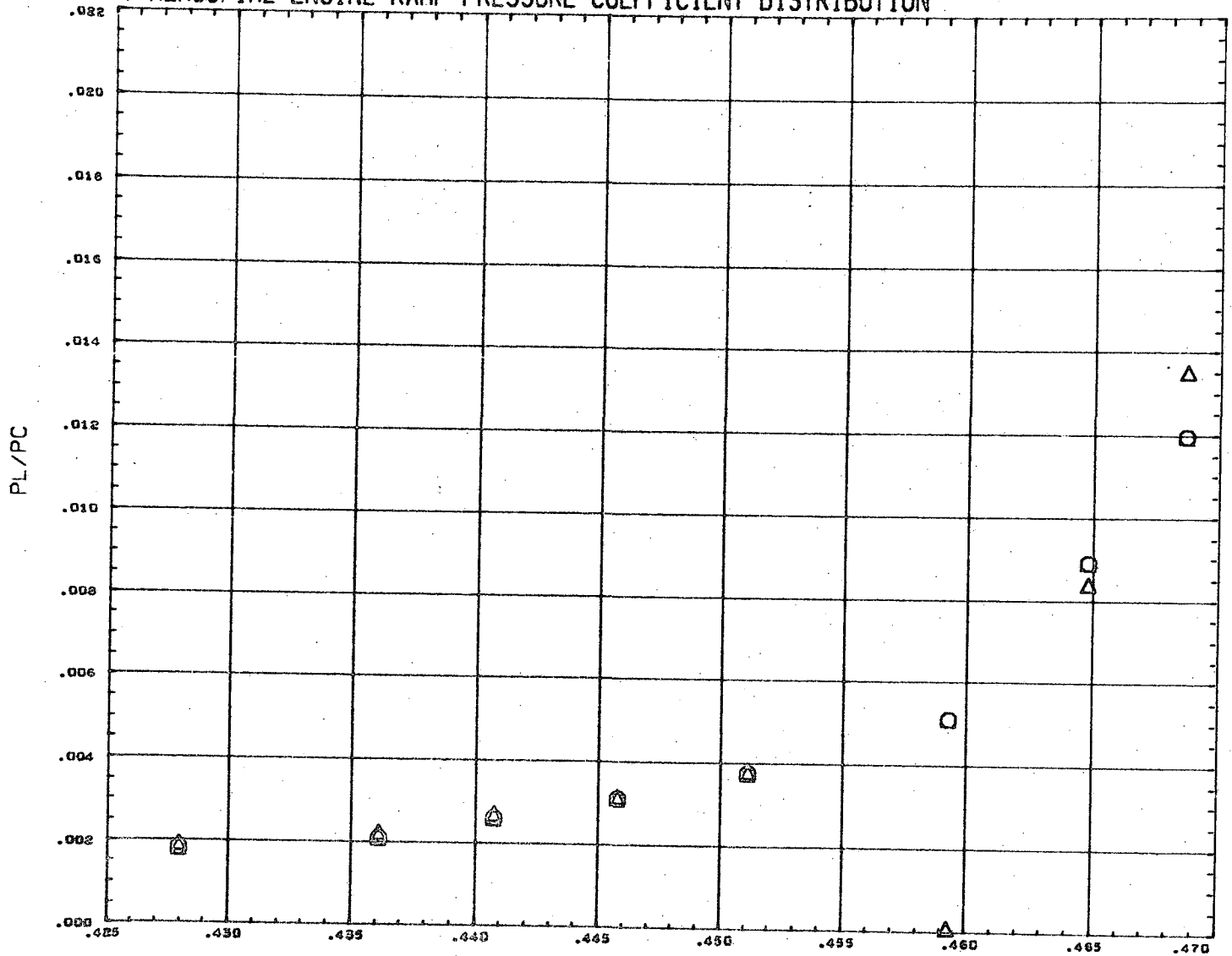
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

DS70R006T.F6C0E CC00 TN-AP-70-445



AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 275.620 578.883 0.598
 315.000

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIANTR
YMRP 0.000 DIANTR
ZMRP 0.000 DIANTR

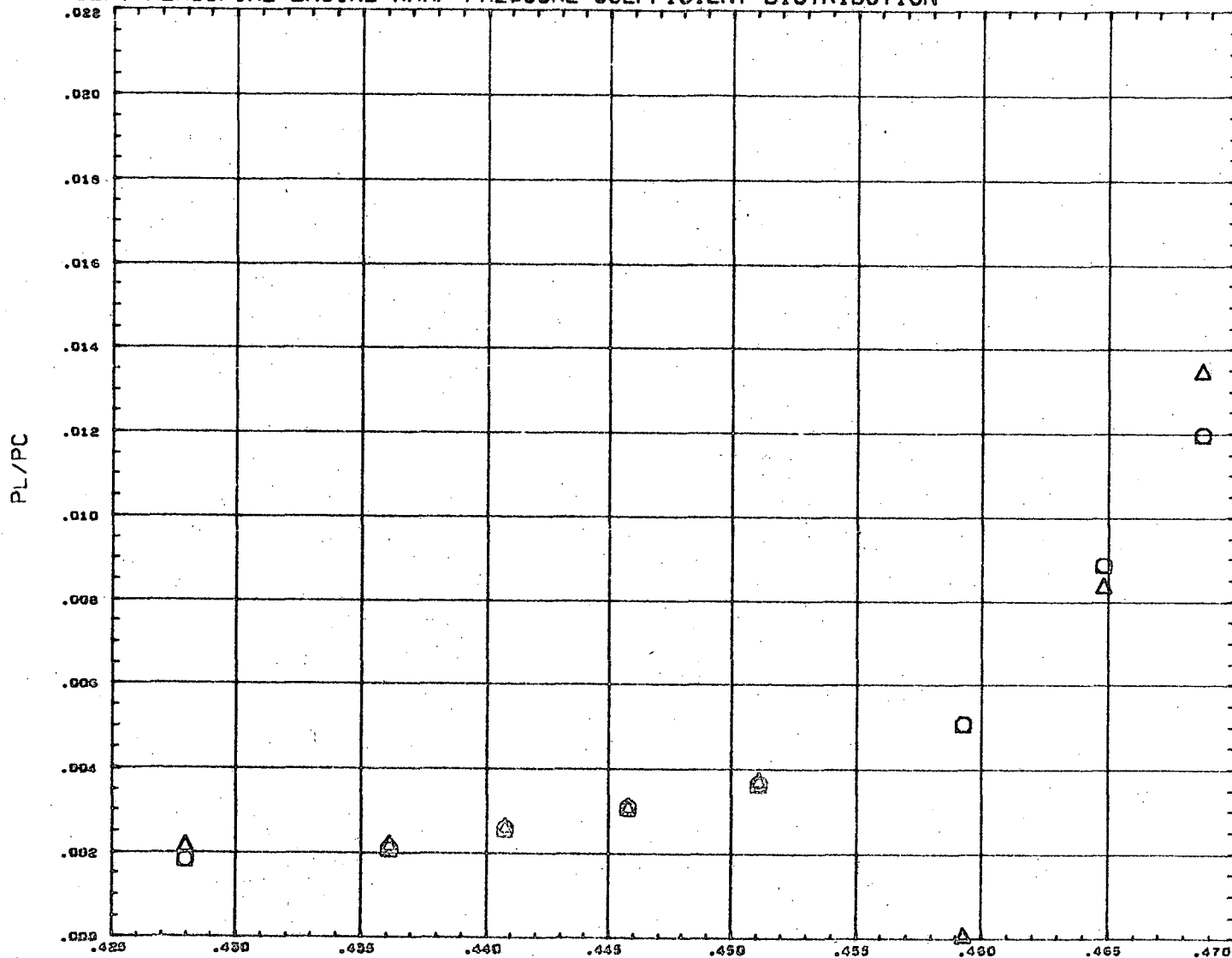
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WPC 0.000

058140088.FIC08E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○
△

275.620
315.000

302.353

0.801

SREF

572.557

58. IN.

LREF

27.000

INCHES

BREF

27.000

INCHES

XHRP

0.000

DIANTR

YHRP

0.000

DIANTR

ZHRP

0.000

DIANTR

E/DOOR

PARAMETRIC VALUES

D.000

ALPHA

0.004

PC

404.679

WS/WFC

0.000

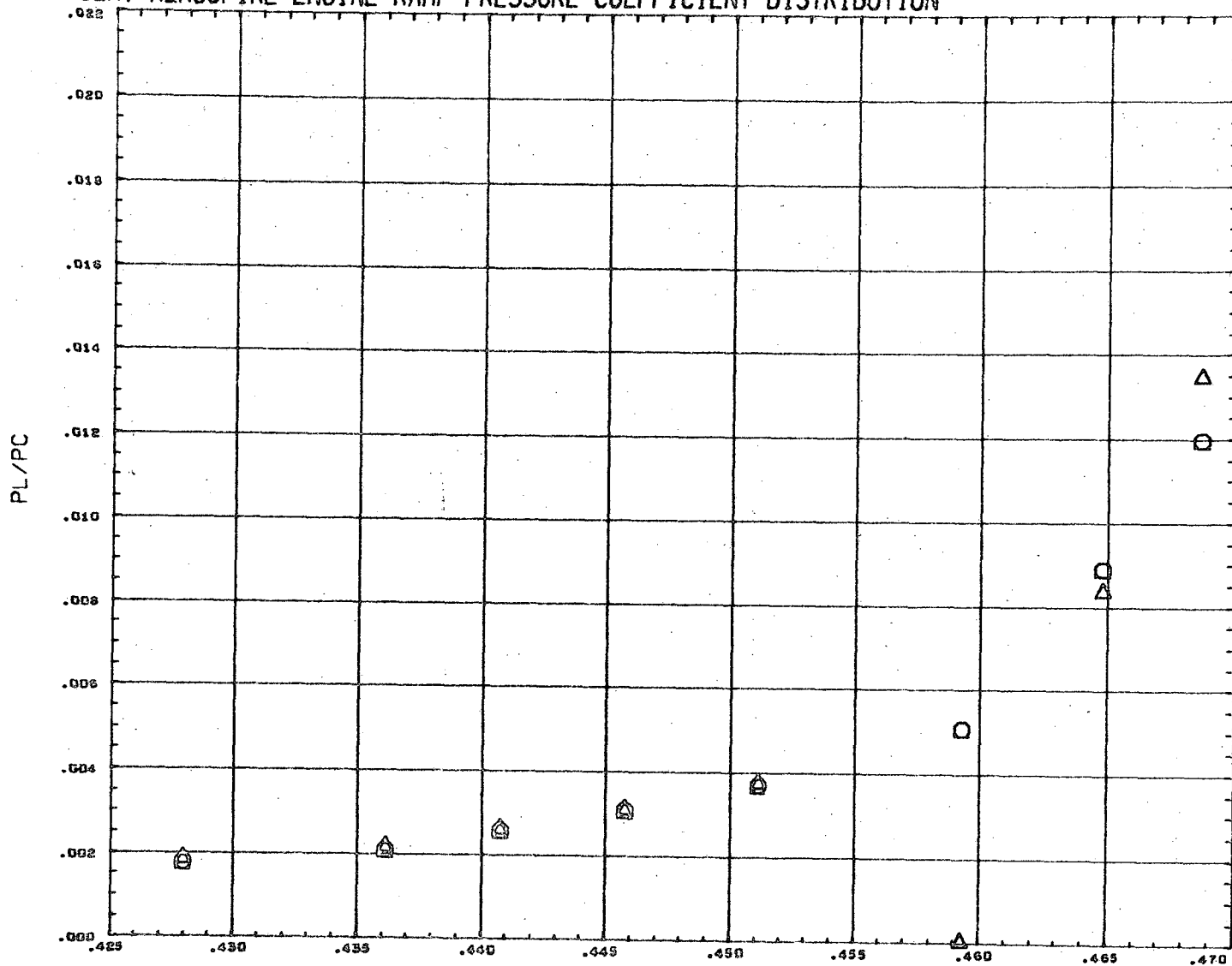
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CC00 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

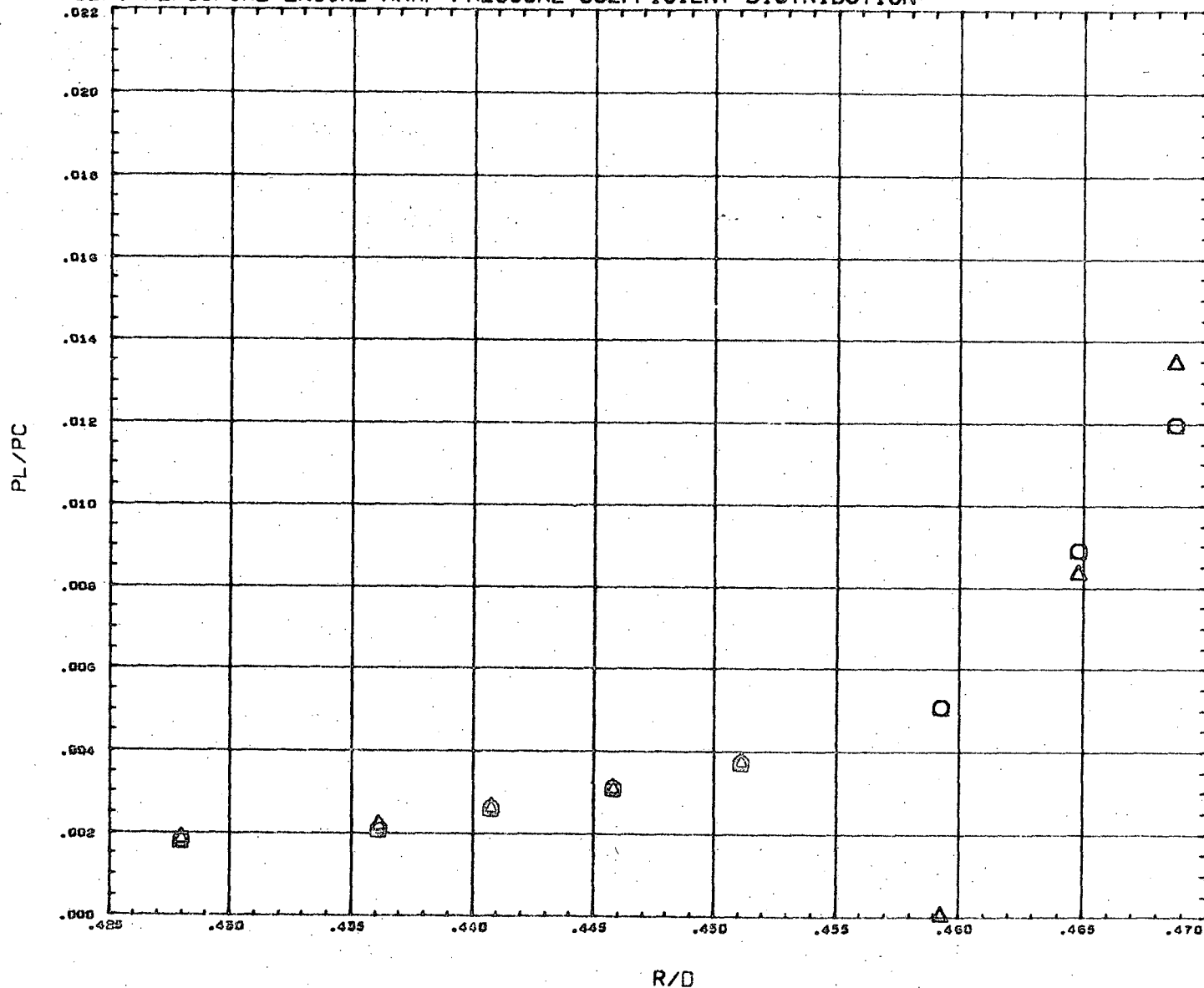
SYMBOL	THETA	PRATIO	MACH				PARAMETRIC VALUES			
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				LREF	27.000	INCHES				
				BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
	315.000			XMRP	0.000	DIAHTR				
				YMRP	0.000	DIAHTR				
				ZMRP	0.000	DIAHTR				

REMARKS: F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



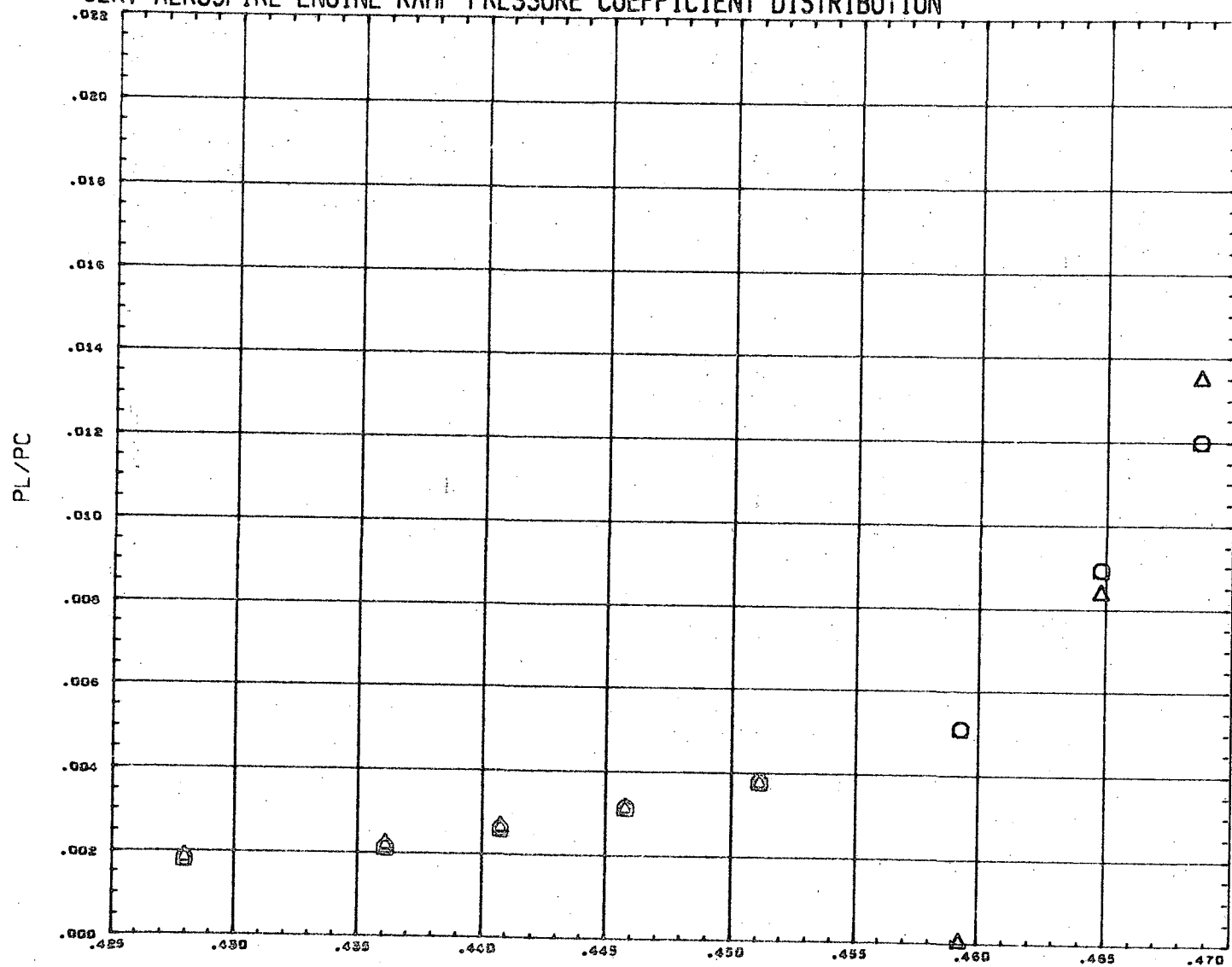
SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50-IN.	E/DOOR	PARAMETRIC VALUES		
Q	275.620	499.307	0.799	LREF	27.000	INCHES	0.000	ALPHA	0.004	
A	315.000			BREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

08080808.F668E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 639.002 0.803
 A 315.600

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XNRP 0.000 DIAMTR
 YNRP 0.000 DIAMTR
 ZNRP 0.000 DIAMTR

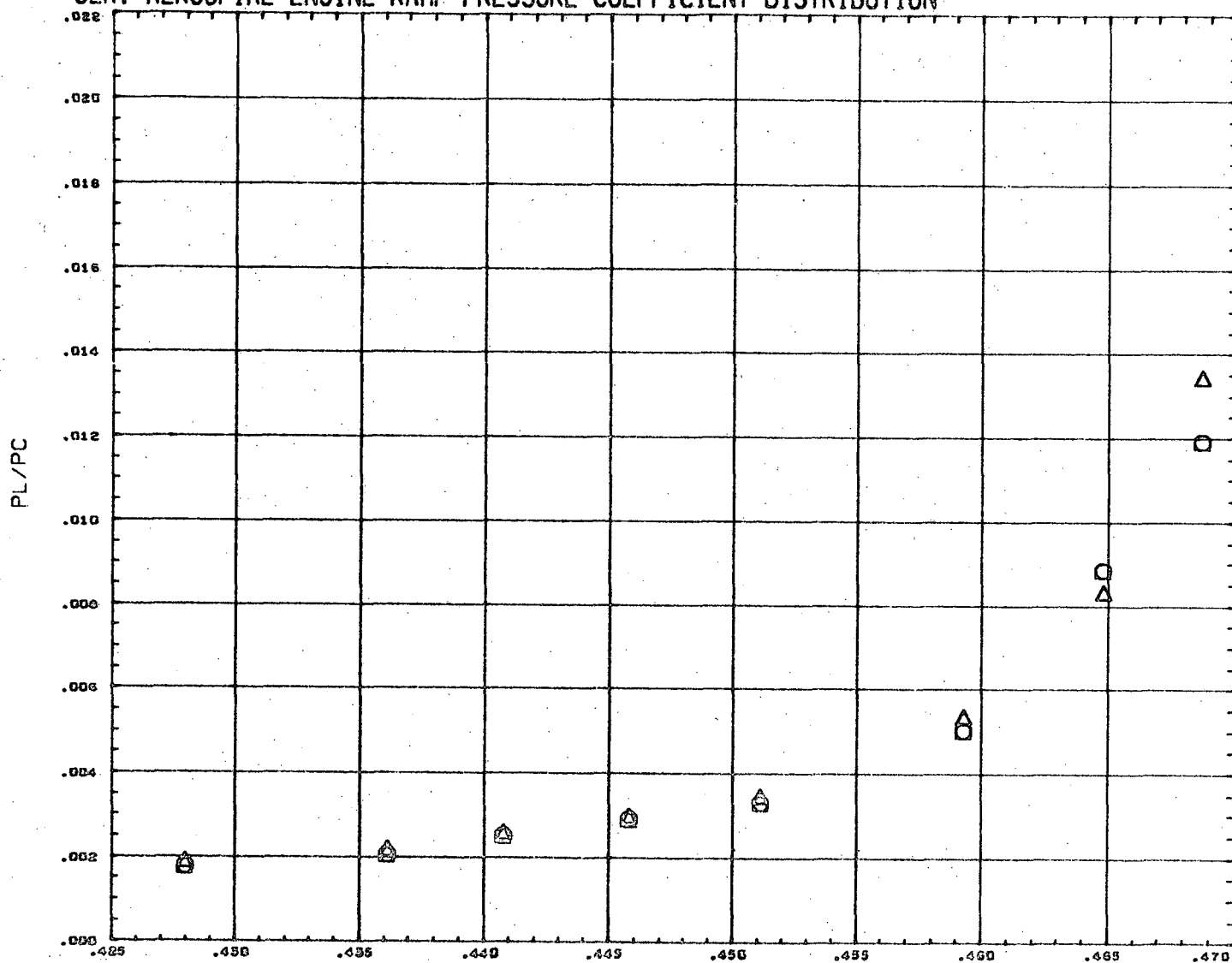
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

88482006.F002E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

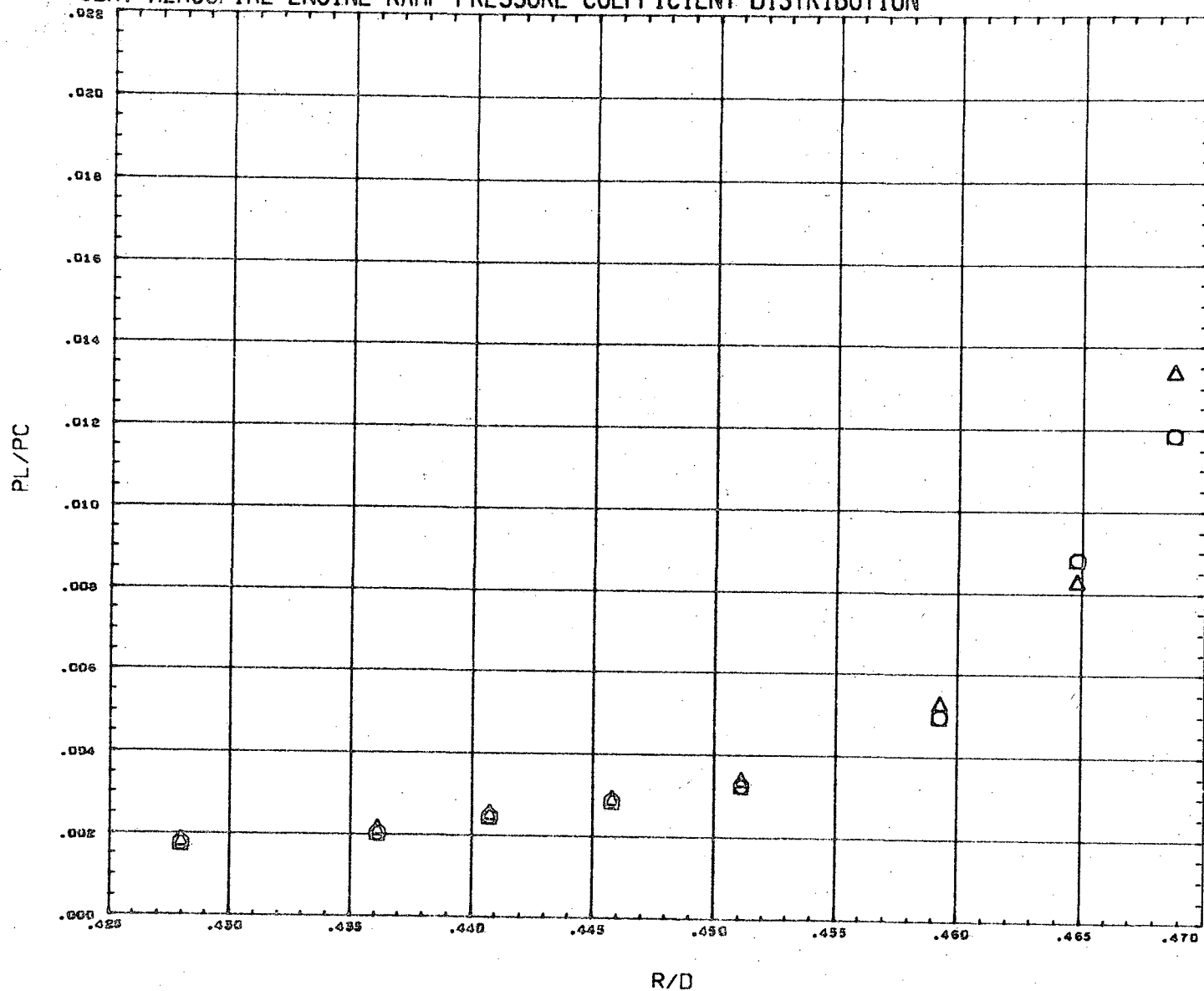
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○	275.620	306.157	D.905	SREF	572.357	SQ. IN.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	464.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XHRP	0.000	DIAMTR				
				YHRP	0.000	DIAMTR				
				ZHRP	0.000	DIAMTR				

DATA BASED ON FPCBE CCSD TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

PAGE 410

SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.625 399.757 5.900
 A 315.000

SREF 572.557 SQ. IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

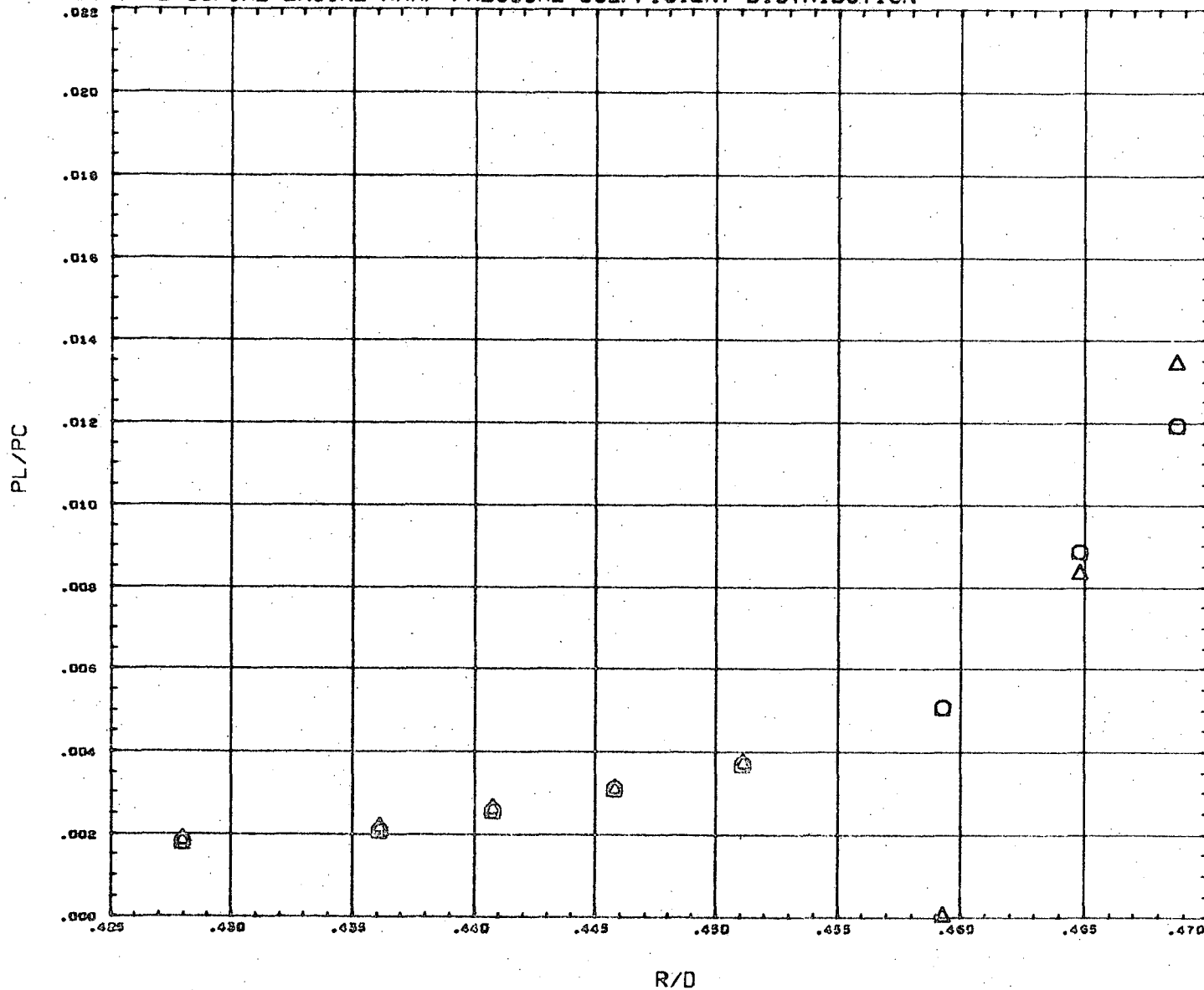
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DEFERRED FICSE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



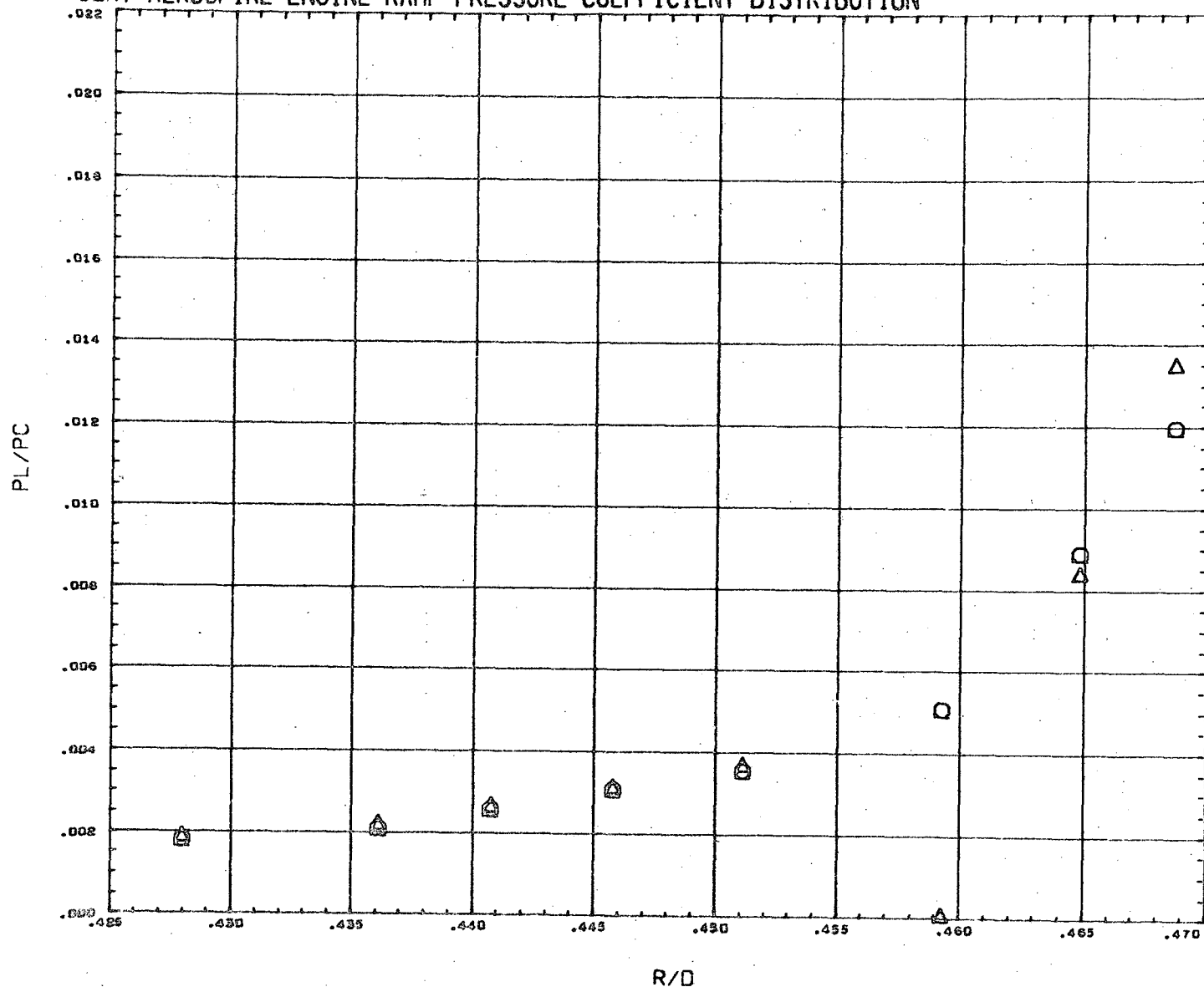
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○	275.620	600.200	0.895	SREF	572.557	SQ. IN.	E/DOOR
△	315.000			LREF	27.000	INCHES	PC
				BREF	27.000	INCHES	
				XHRP	0.000	DIAMTR	
				YHRP	0.000	DIAMTR	
				ZHRP	0.000	DIAMTR	

00080000.F000E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.920 012.557 0.902
 A 310.000

SREF 572.557 50.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

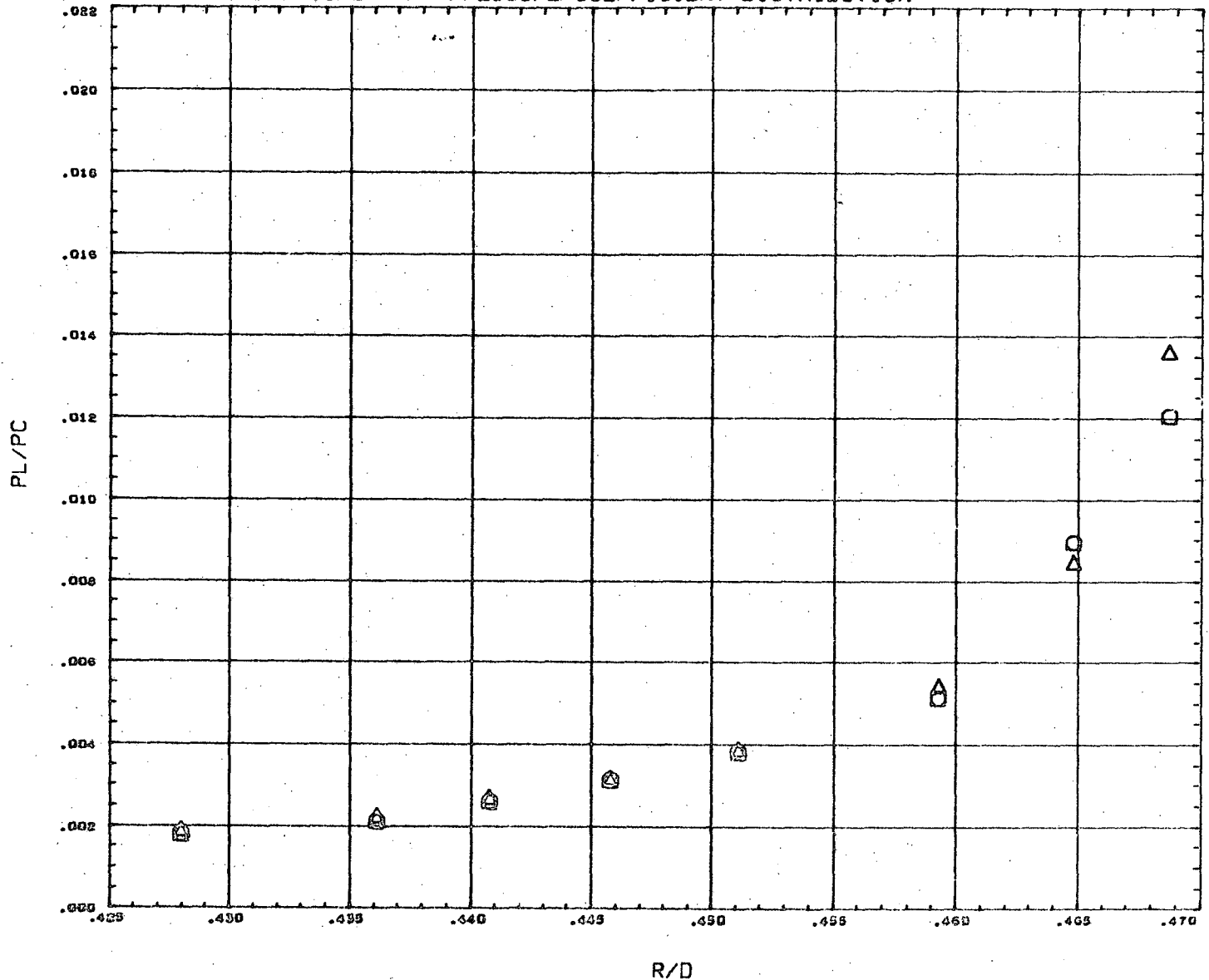
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 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

DATA0000.F000E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



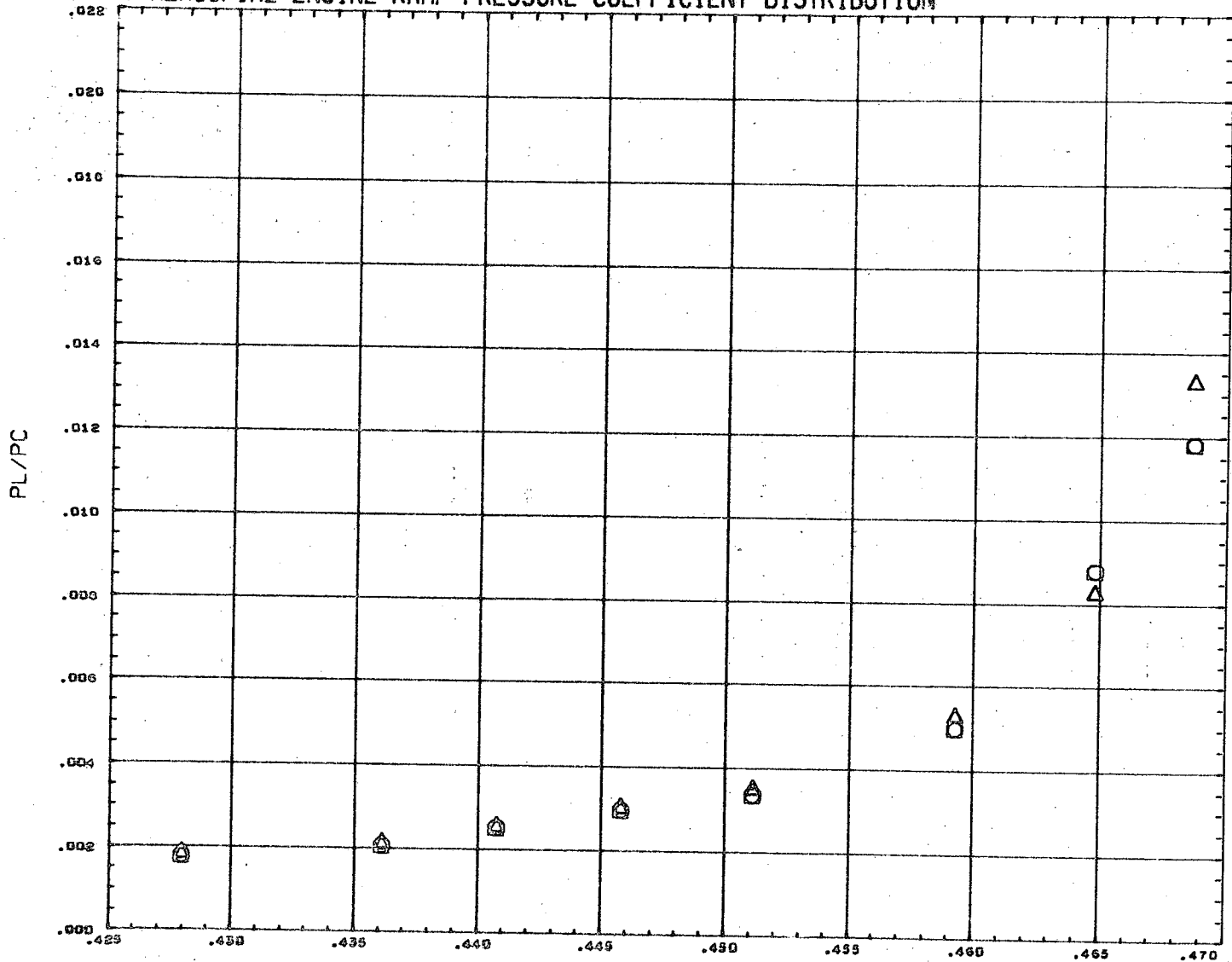
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O △	275.620	395.993	1.100	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
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				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

06700000.F000E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 275.530 491.380 1.101
△ 315.000

SREF 572.557 SQ. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

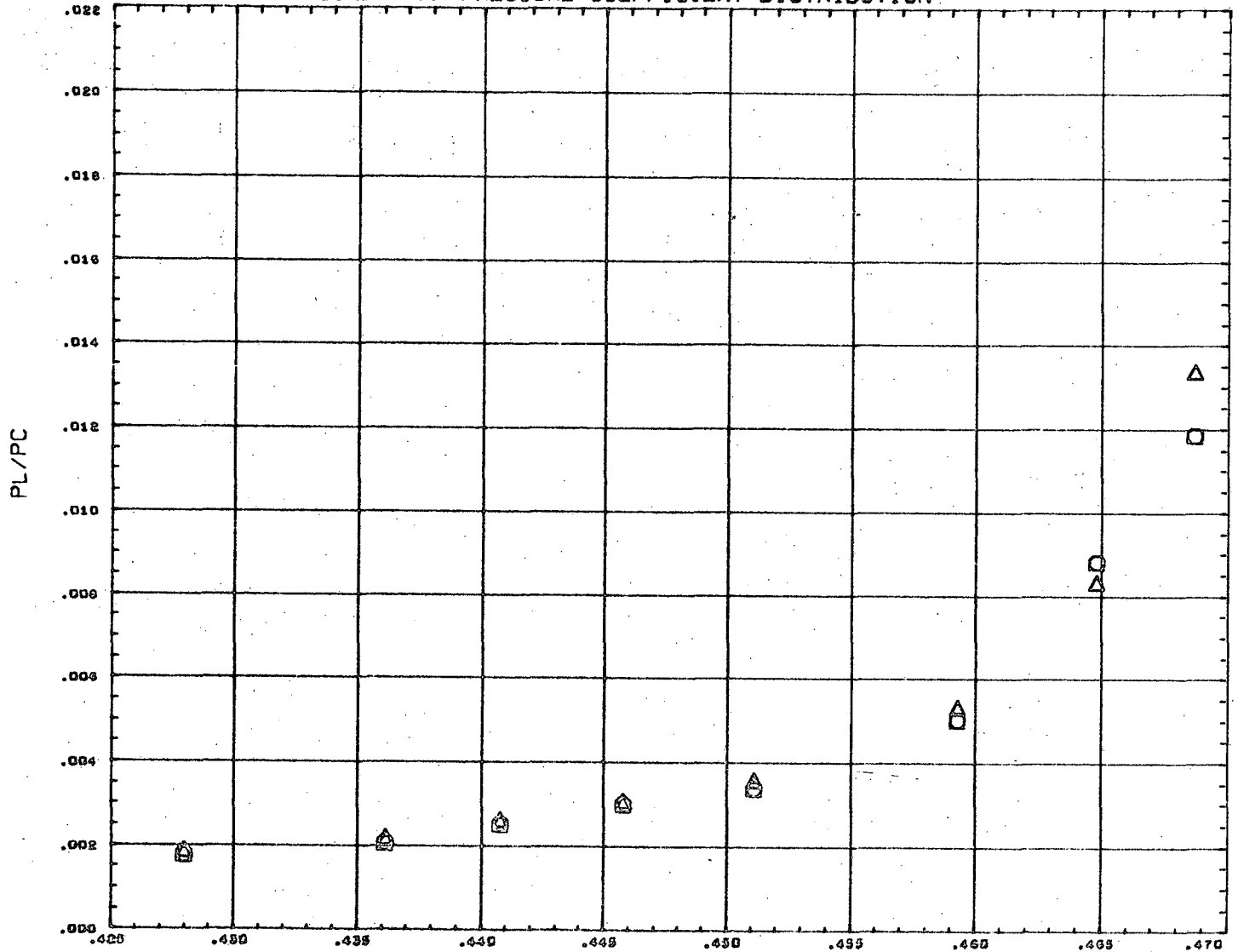
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

8870R0000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL

THETA

PRATIO

MACH

○
△

275.620
315.000

599.127

1.089

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

59. IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
PC

PARAMETRIC VALUES

0.000 ALPHA 0.004
404.679 WS/WFC 0.000

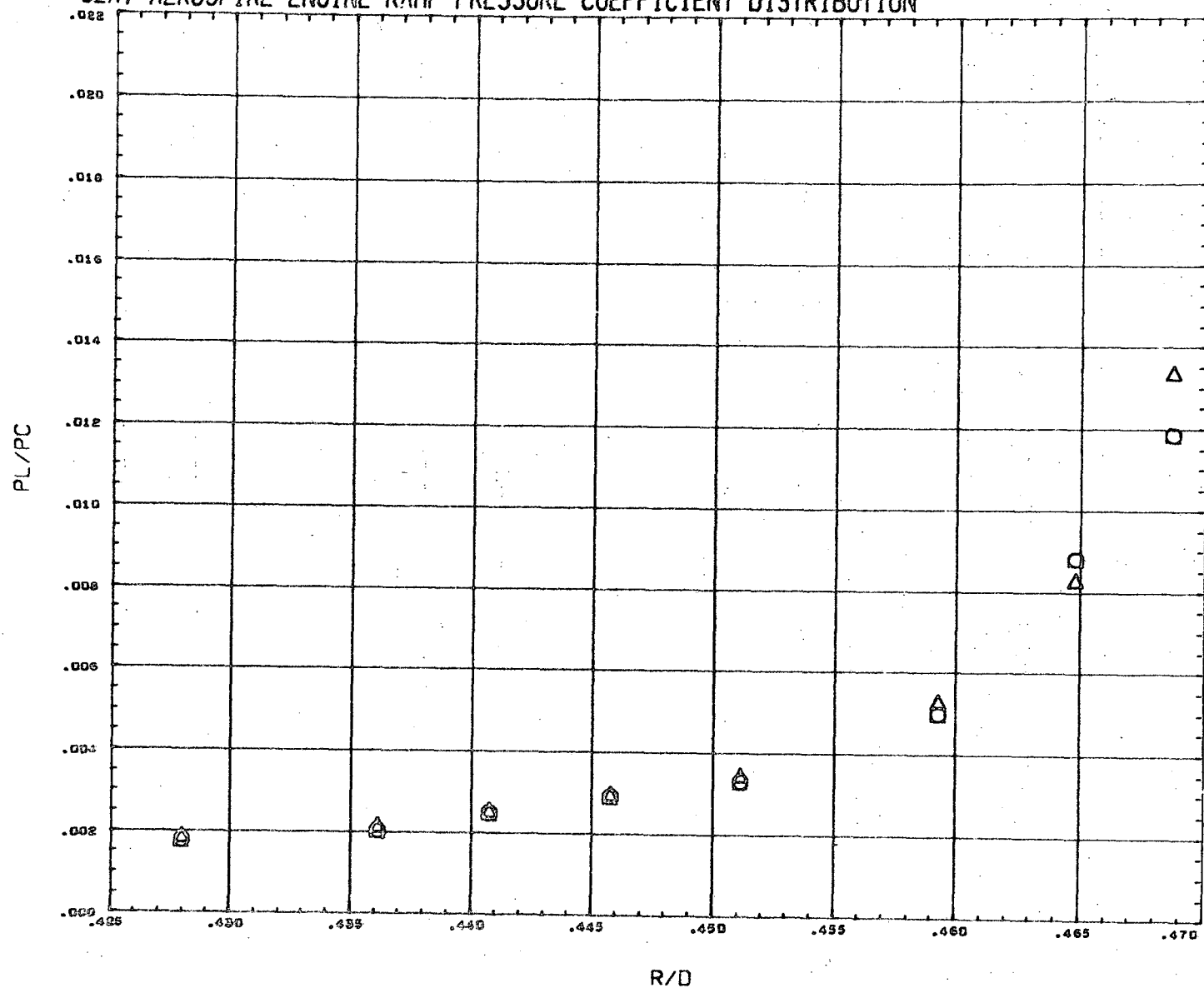
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CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	275.620	406.123	1.254
△	315.000		

SREF	572.557	SQ. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

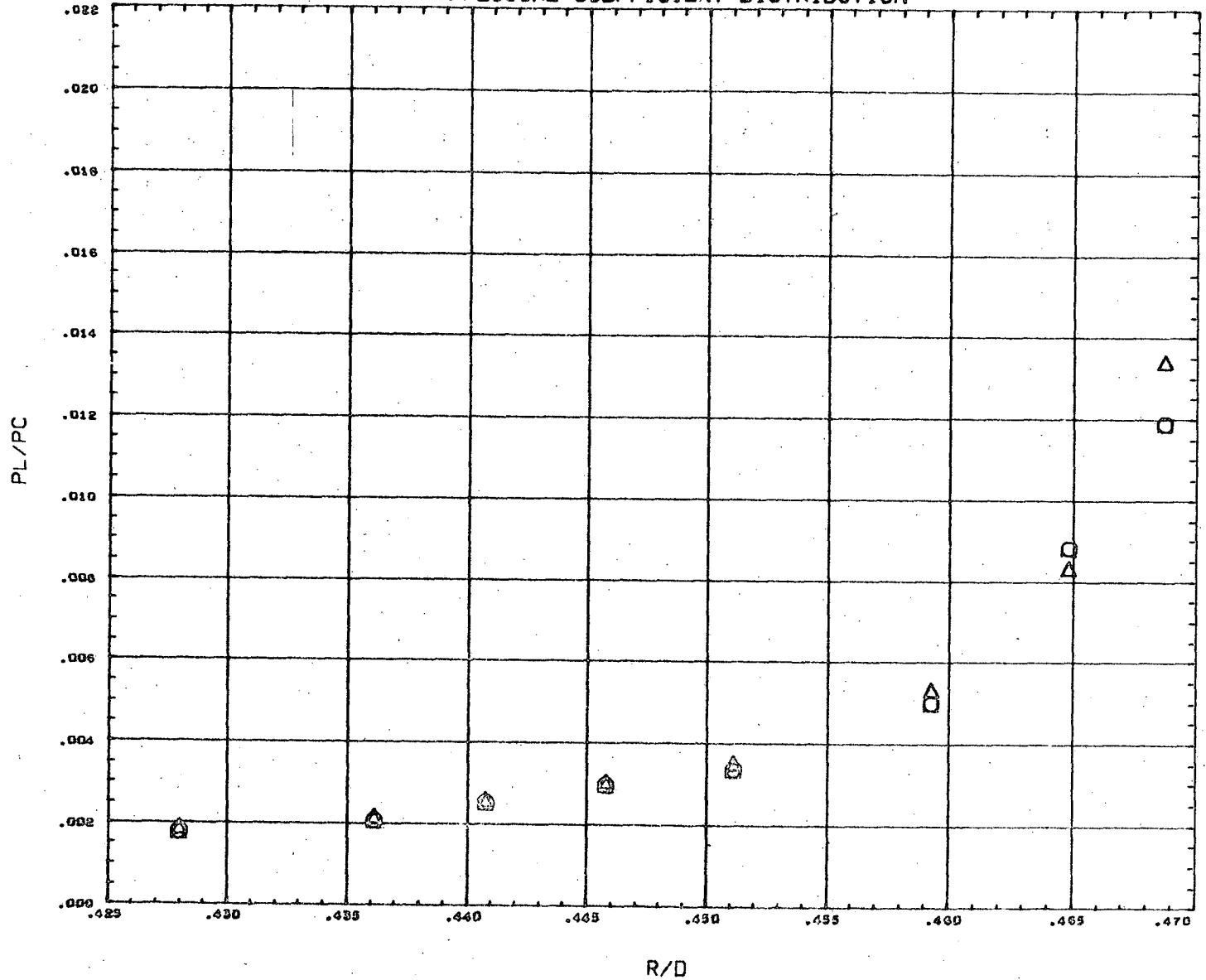
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

00000000.F000E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



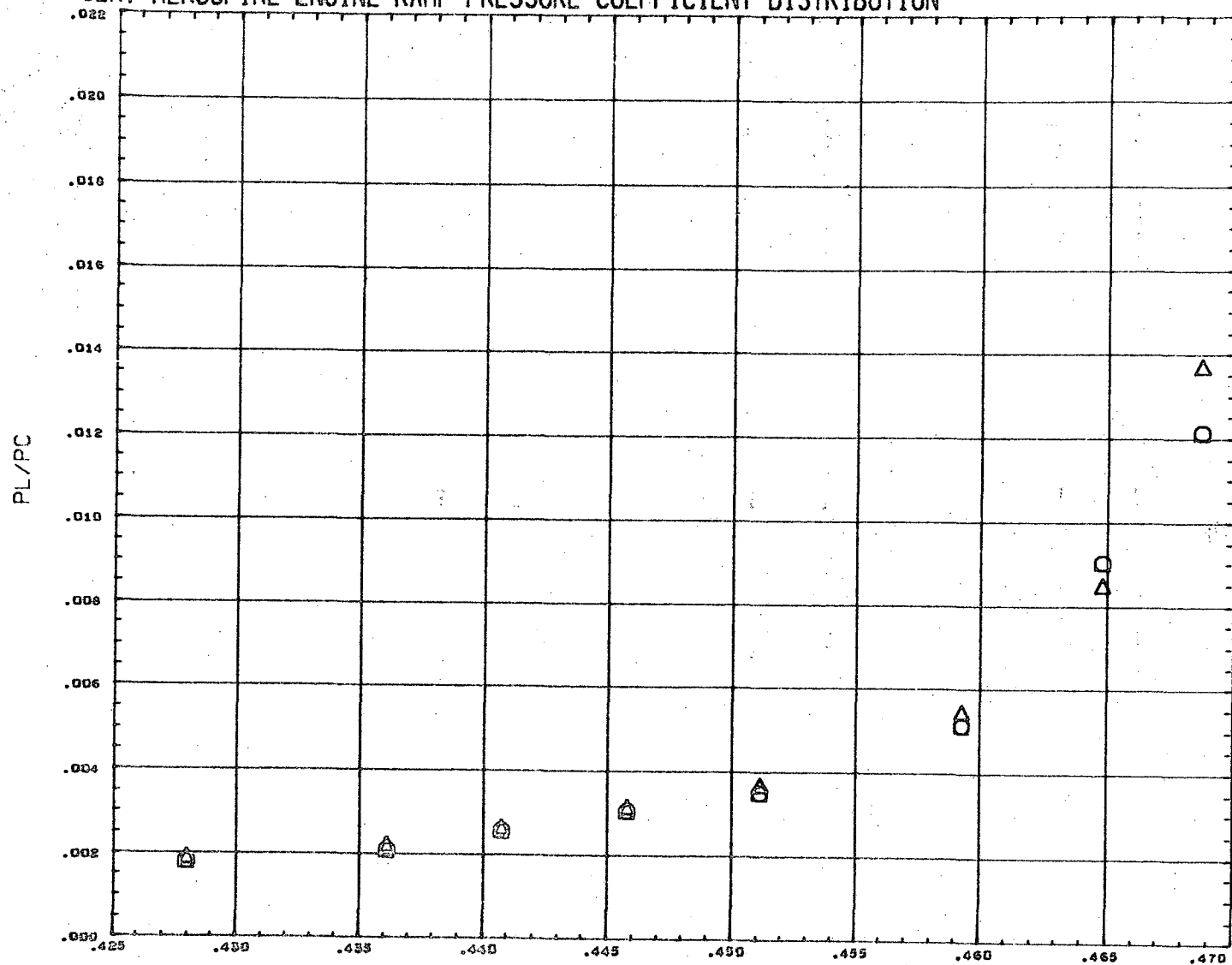
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○	275.620	751.932	1.251	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	315.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

00000000.F000E CC80 IN-AP-70-348

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL THETA PRATIO MACH
 O 275.620 831.960 1.248
 Δ 315.500

SREF 572.557 58.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

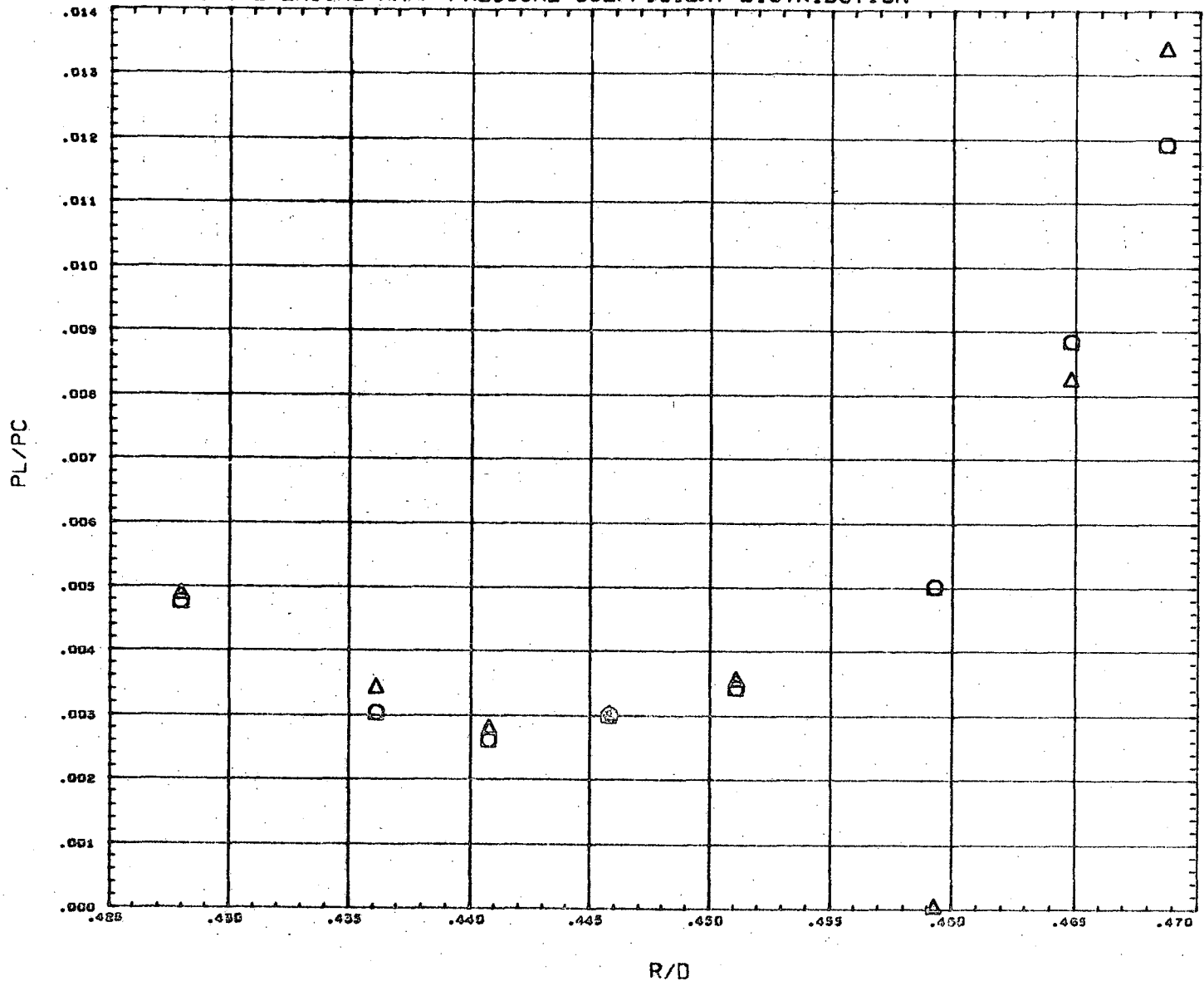
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

BRH5A003.F003E CCSD TH-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7440)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



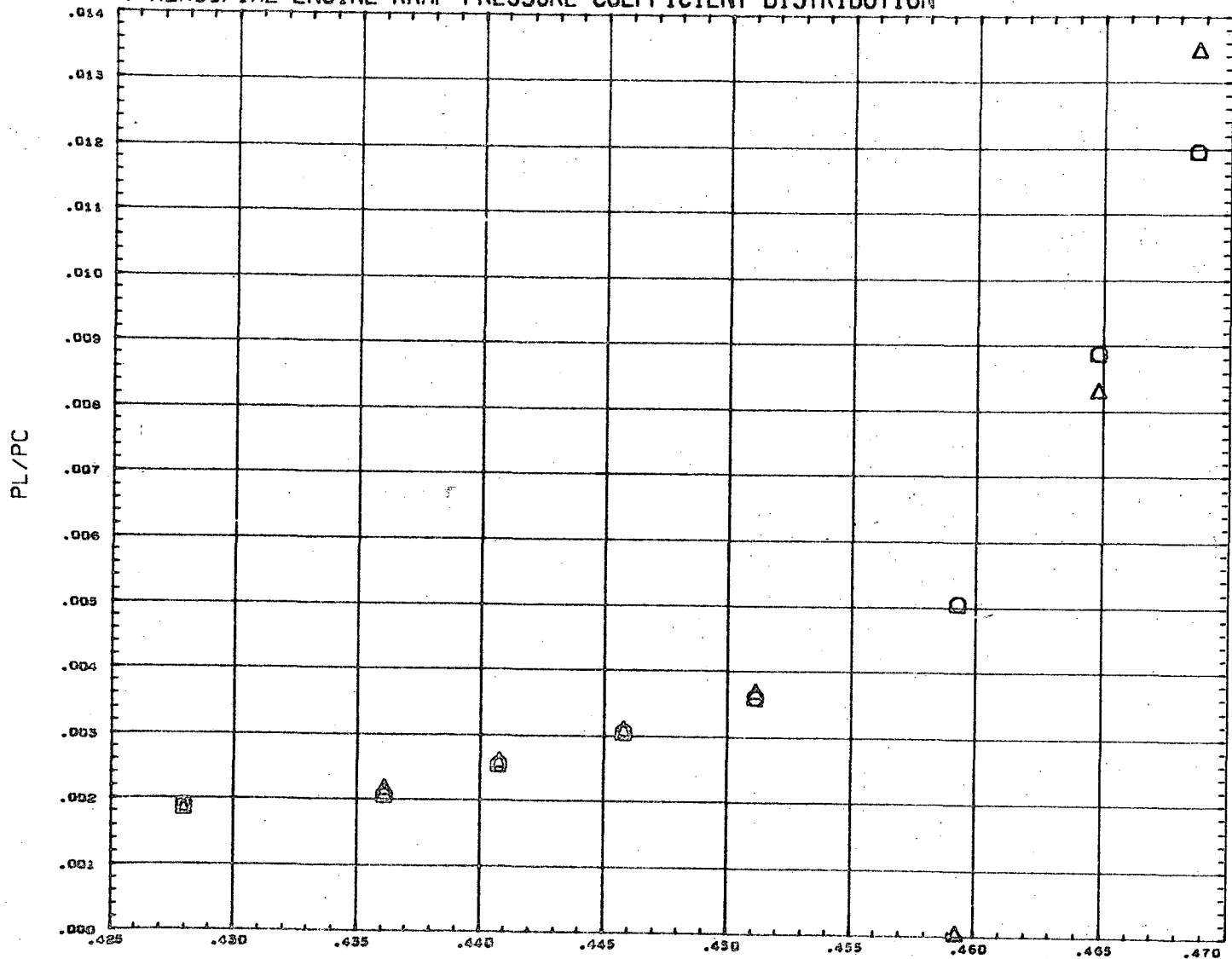
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○	275.620	202.083	0.599	LREF	27.000	INCHES	PC	0.000	ALPHA 8.022
△	315.000			BREF	27.000	INCHES		402.996	WS/WFC 0.000
				XMRP	0.000	DIAHTR			
				YMRP	0.000	DIAHTR			
				ZMRP	0.000	DIAHTR			

BARBARO.FECSE CCSD TM-AP-7C-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



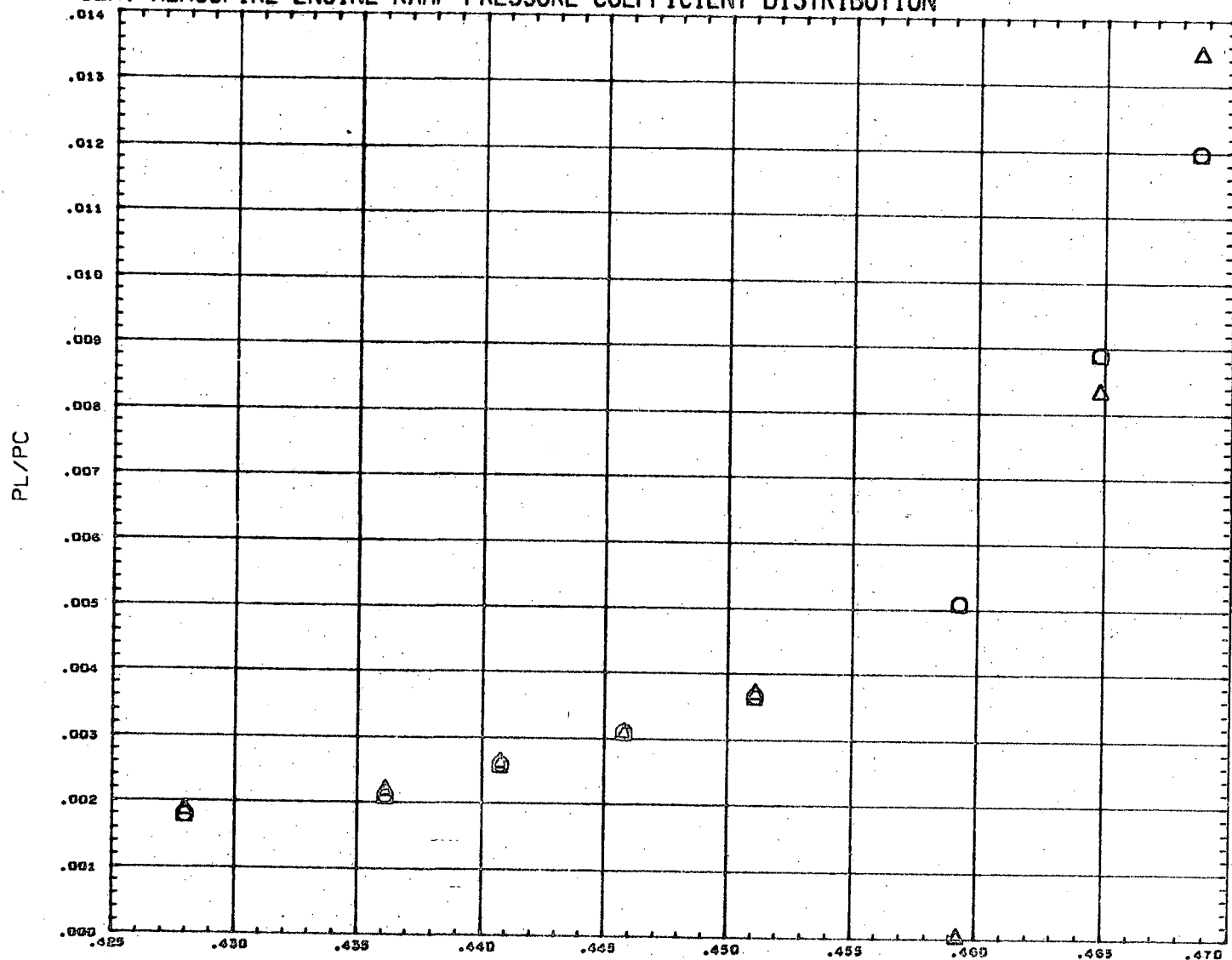
SYMBOL	THEIA	PRATIO	MACH			PARAMETRIC VALUES	
○	275.620	299.500	0.801	SREF	572.557	58.1N.	E/DOOR 0.000
△	315.000			LREF	27.000	INCHES	PC 402.996
				BREF	27.000	INCHES	ALPHA 8.022
				XMRP	0.000	DIAMTR	WS/WFC 0.000
				YMRP	0.000	DIAMTR	
				ZMRP	0.000	DIAMTR	

03582806.FIG03E CCSD TH-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL



THETA

275.620
315.000

PRATIO

390.487

MACH

0.899 /

R/D

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

58. IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

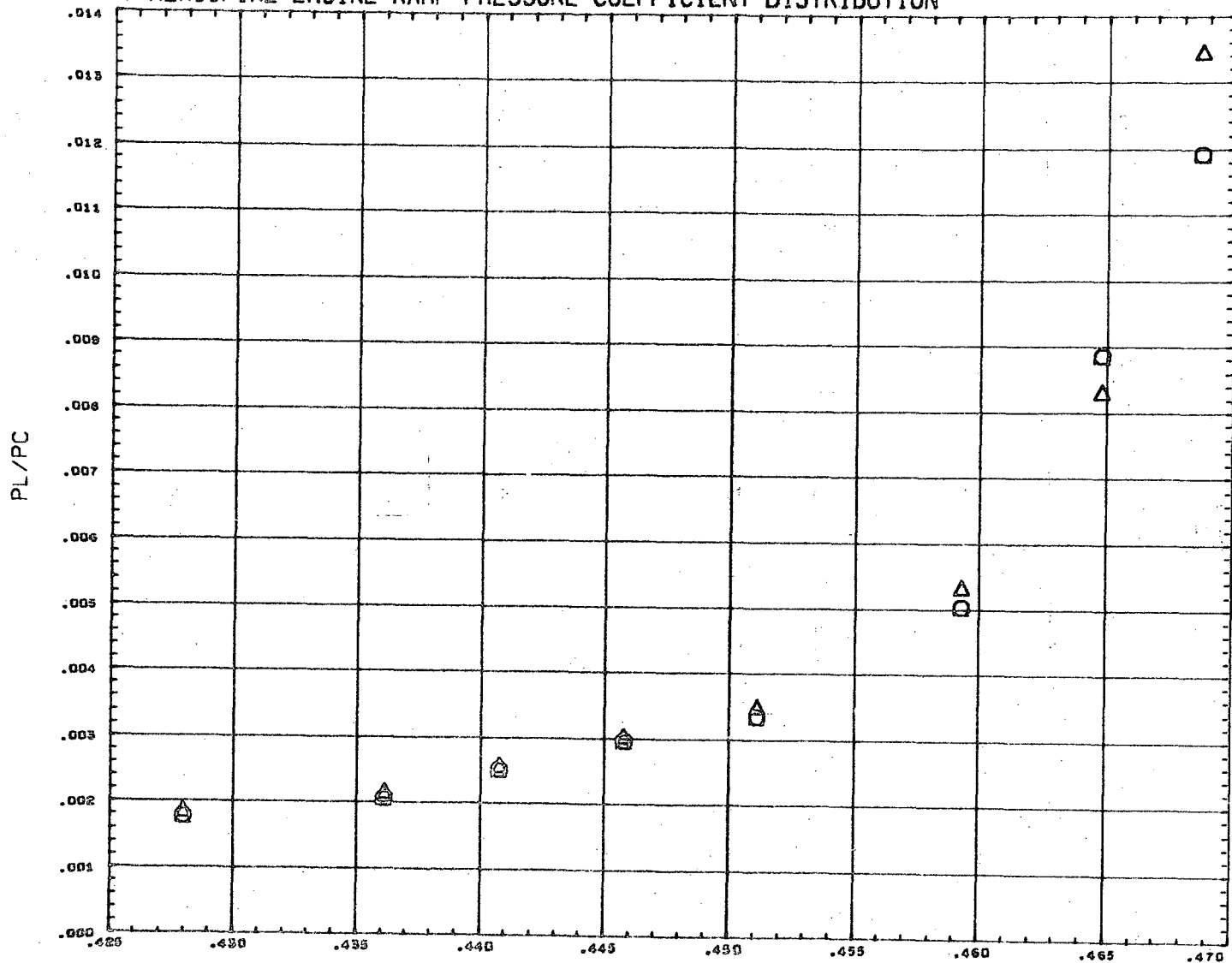
0.000 ALPHA 0.022
402.996 WS/WPC 0.000

DISTANCE.FCCE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 275.620 402.457 1.100
 A 315.600

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

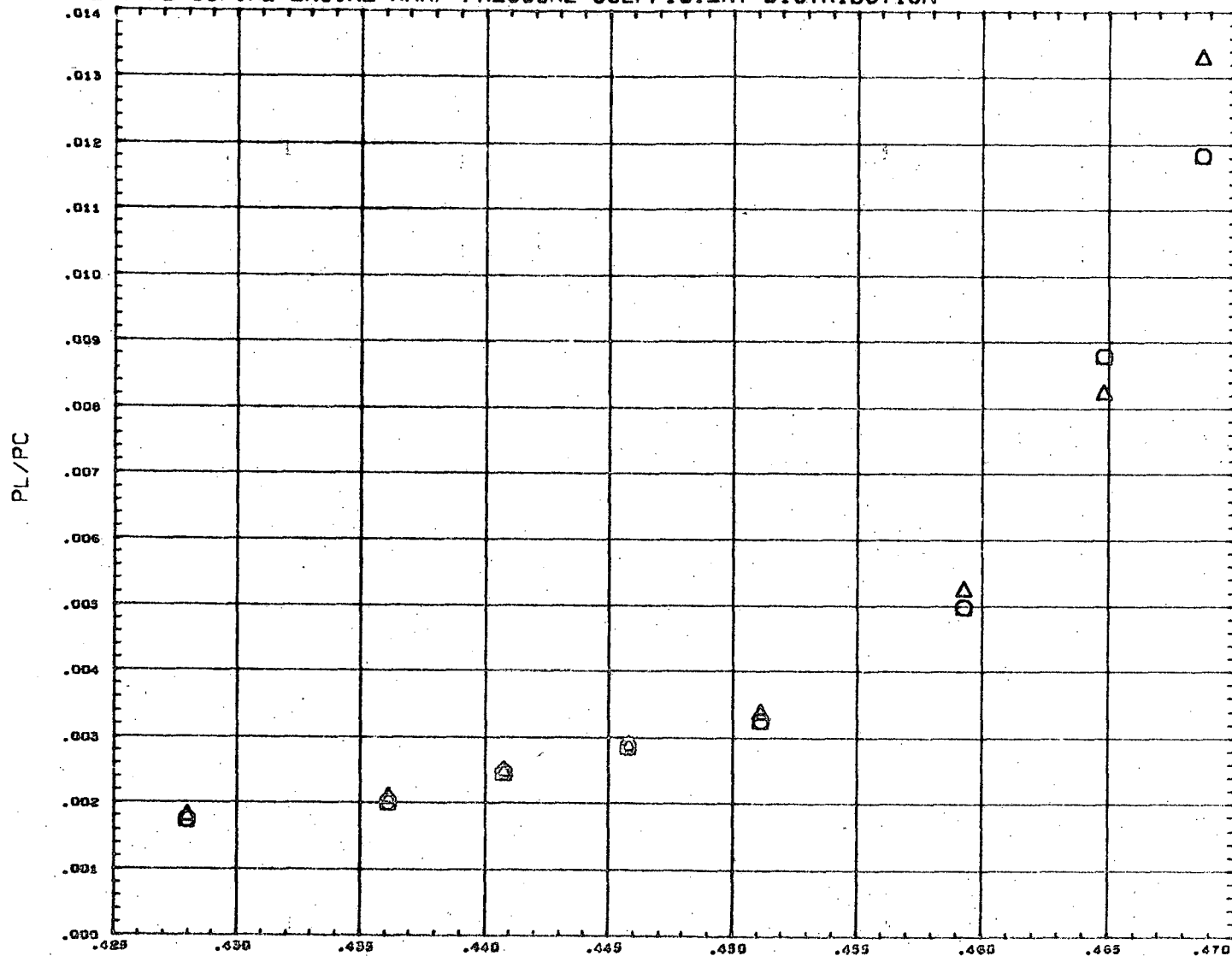
E/DOOR 0.000 ALPHA 8.022
 FC 402.996 WS/WPC 0.000

DB060362.F000E CC09 TH-AP-73-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE RAMP PRESSURE COEFFICIENT DISTRIBUTION



R/D

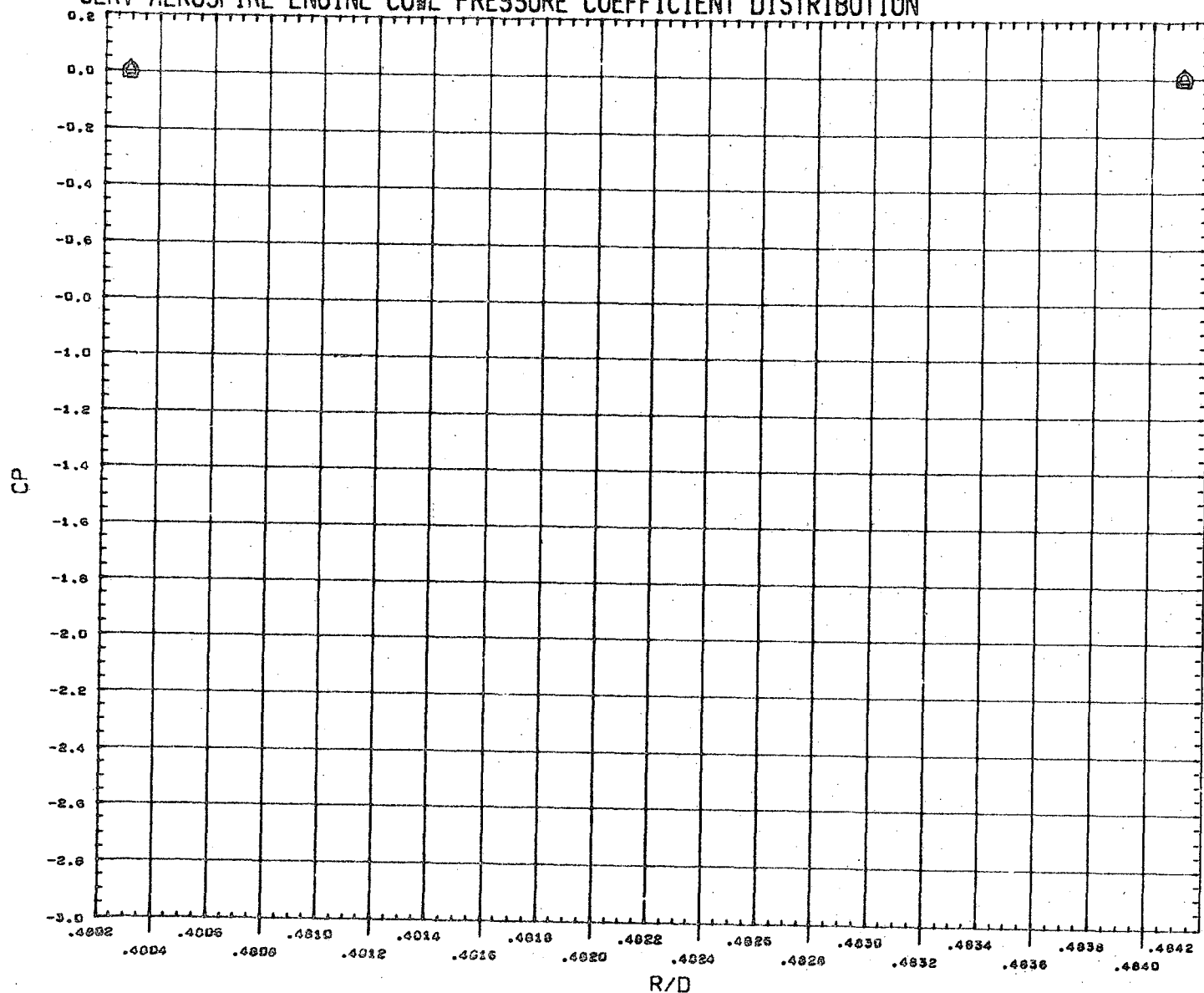
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
○	275.620	400.737	1.253	AREF	27.000	INCHES	PC	402.996	WS/WPC	0.000	
△	315.000			BREF	27.000	INCHES					
				XMRP	0.000	DIANTR					
				YMRP	0.000	DIANTR					
				ZMRP	0.000	DIANTR					

DATA BASE FILE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE RAMP (CT7448)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \bigcirc \triangle INETA 294.373 303.990 PRATIO 125.800 MACH 0.086

SREF 572.557 58. IN. LREF 27.000 INCHES BREF 27.000 INCHES XMRP 0.000 DIAMTR YMRP 0.000 DIAMTR ZMRP 0.000 DIAMTR

PARAMETRIC VALUES E/DOOR 0.000 ALPHA 0.004 FC 404.679 WS/WFC 0.000

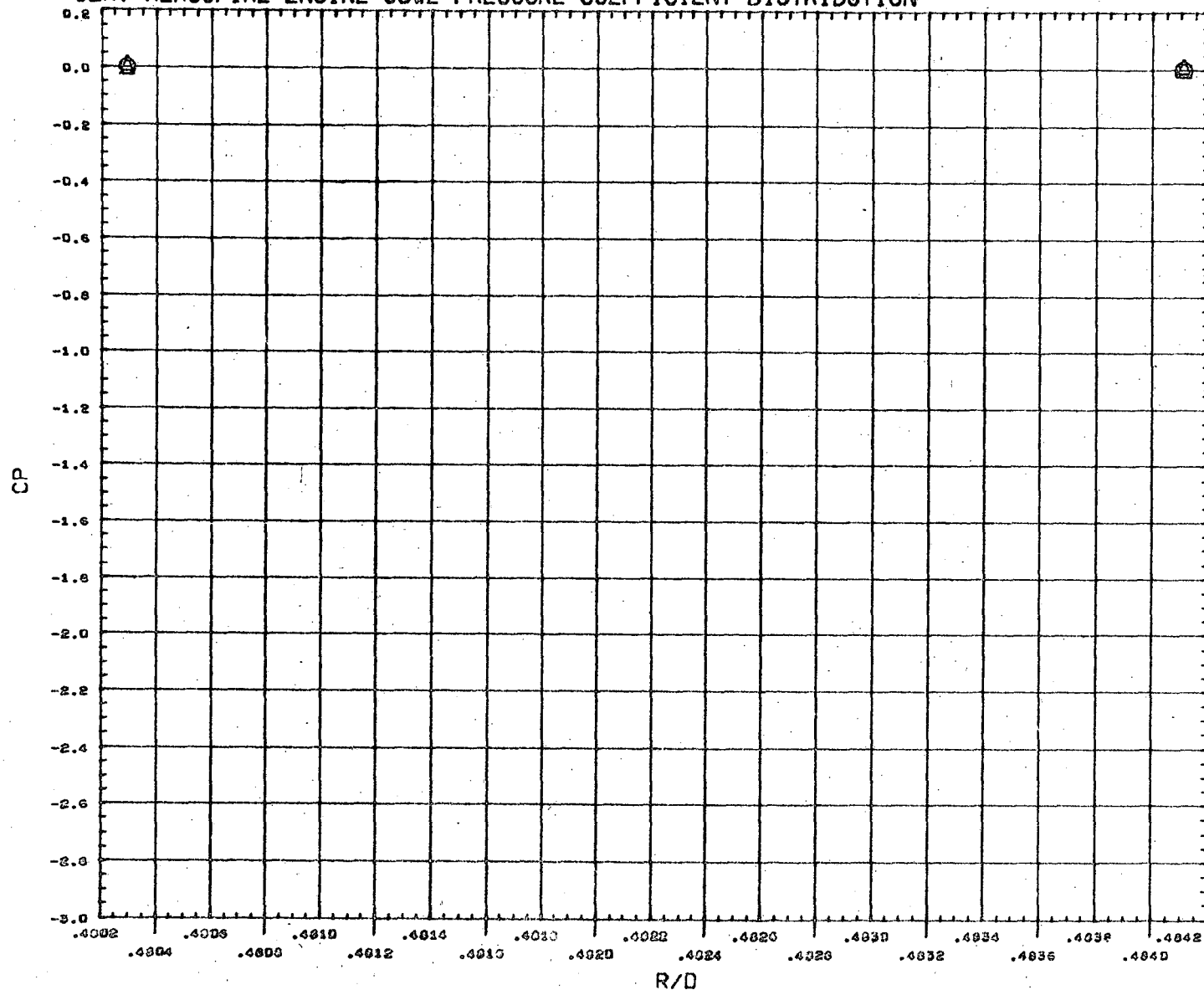
00760006.F000E CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES		
Q	264.375	151.063	0.099	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	0.000	ALPHA	0.004
A	305.630												WS/WPC	0.000

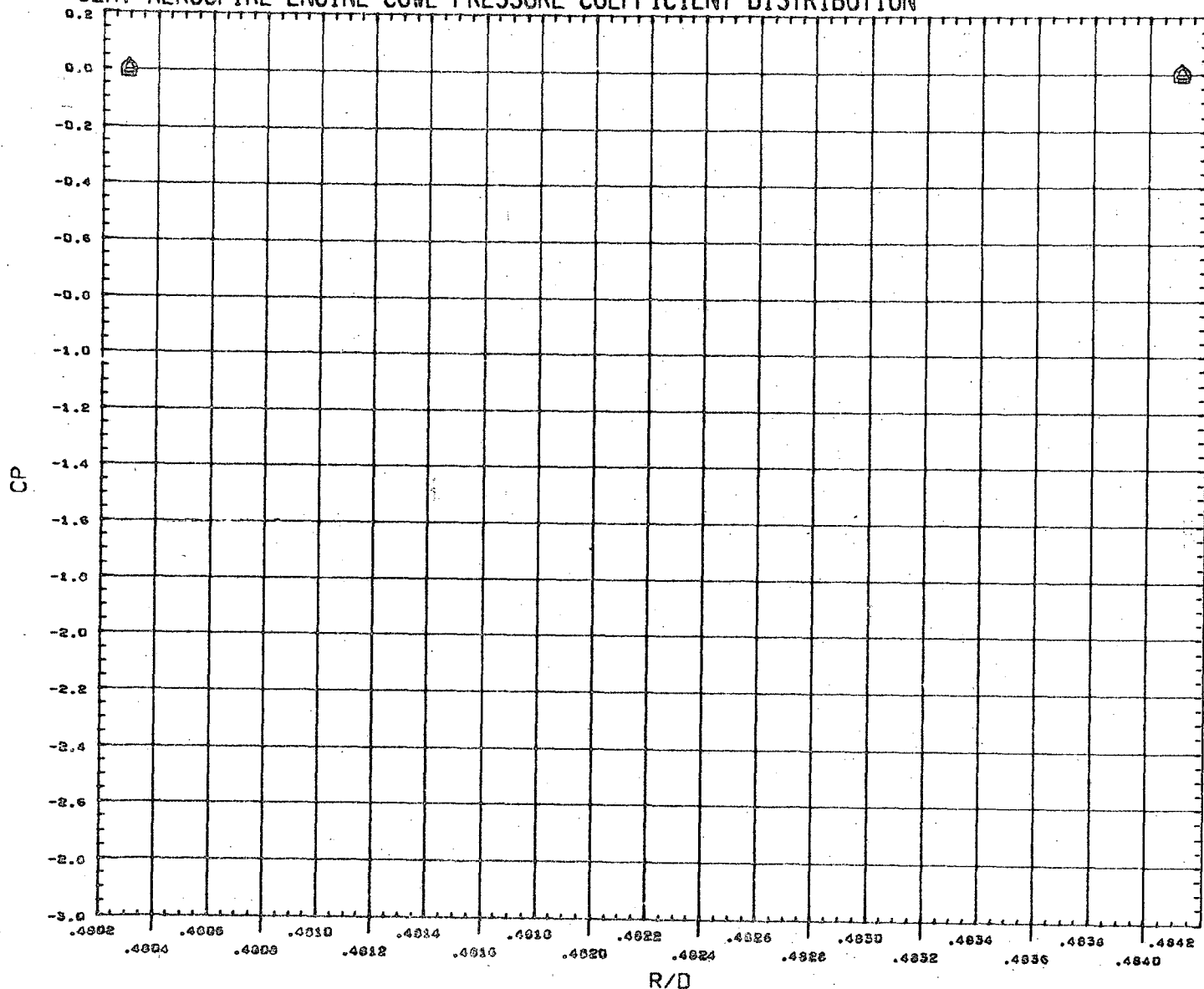
83708803.F002 CC60 TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58. IN.	E/DOOR	PARAMETRIC VALUES	
Q	254.375	250.173	0.086	LREF	27.000	INCHES	PC	0.000	ALPHA
	305.530			BREF	27.000	INCHES		404.679	WS/WFC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

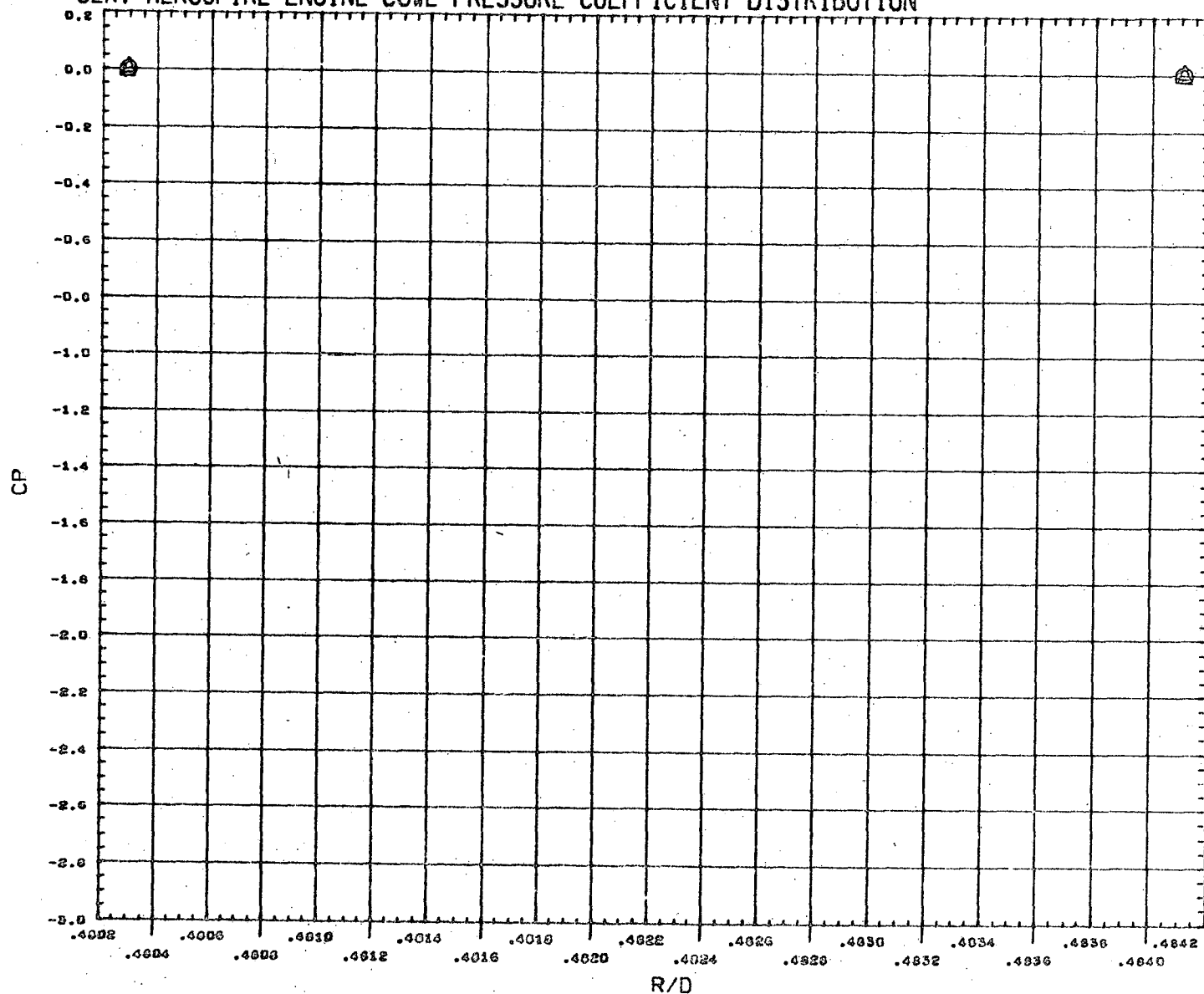
05700000.F000E CCSD TN-AP-7D-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	
Q	264.375	304.463	0.074	LREF	27.000	INCHES	FC	0.000	ALPHA
	305.630			BREF	27.000	INCHES		404.679	WS/WFC
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				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

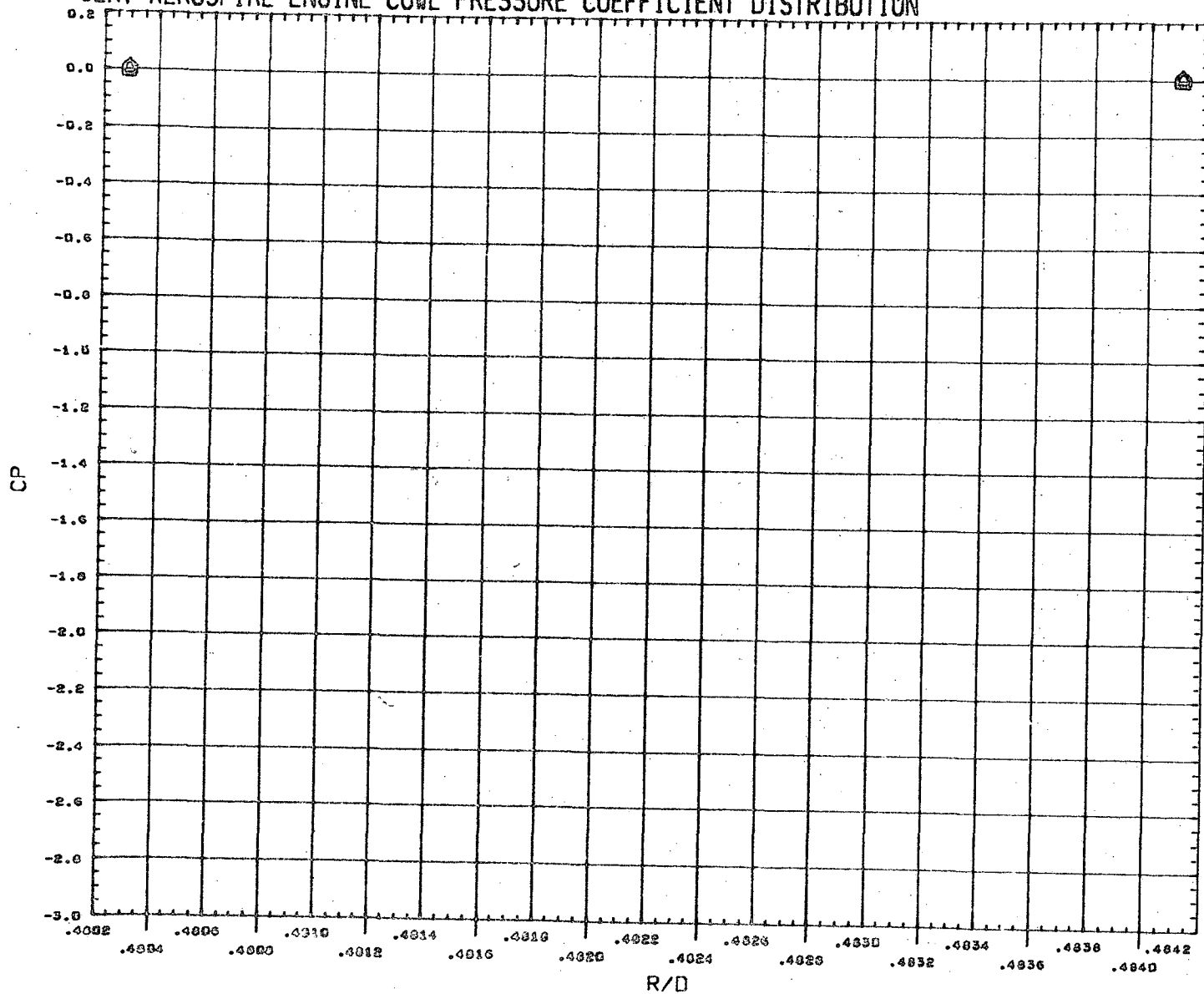
03060800.FSCSE CCSD TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 254.375 401.795 0.123
 A 305.630

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

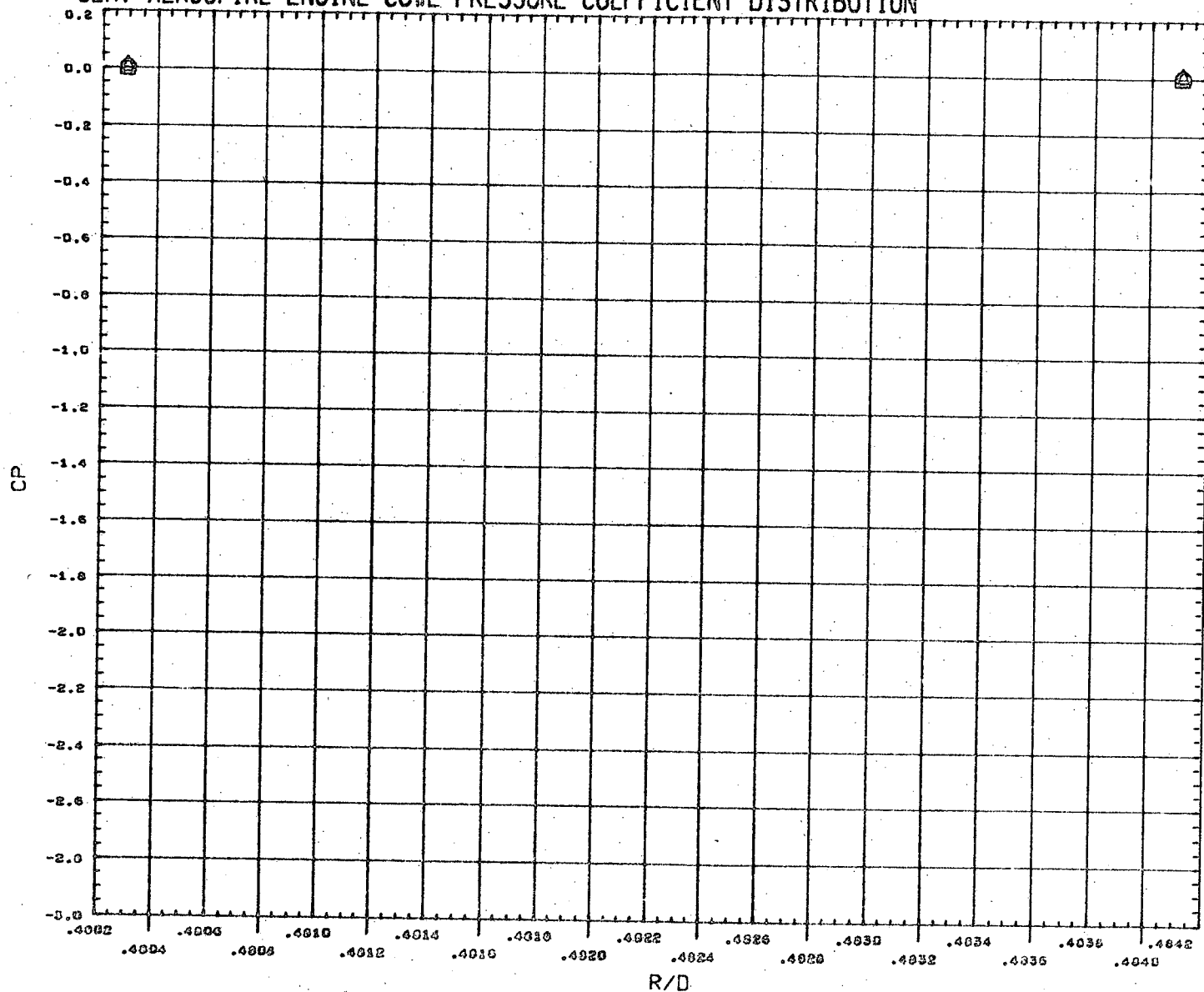
004323960.F000E CC00 TN-AP-70-345


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 264.375 481.607 0.131
 305.630

SREF 572.557 50.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

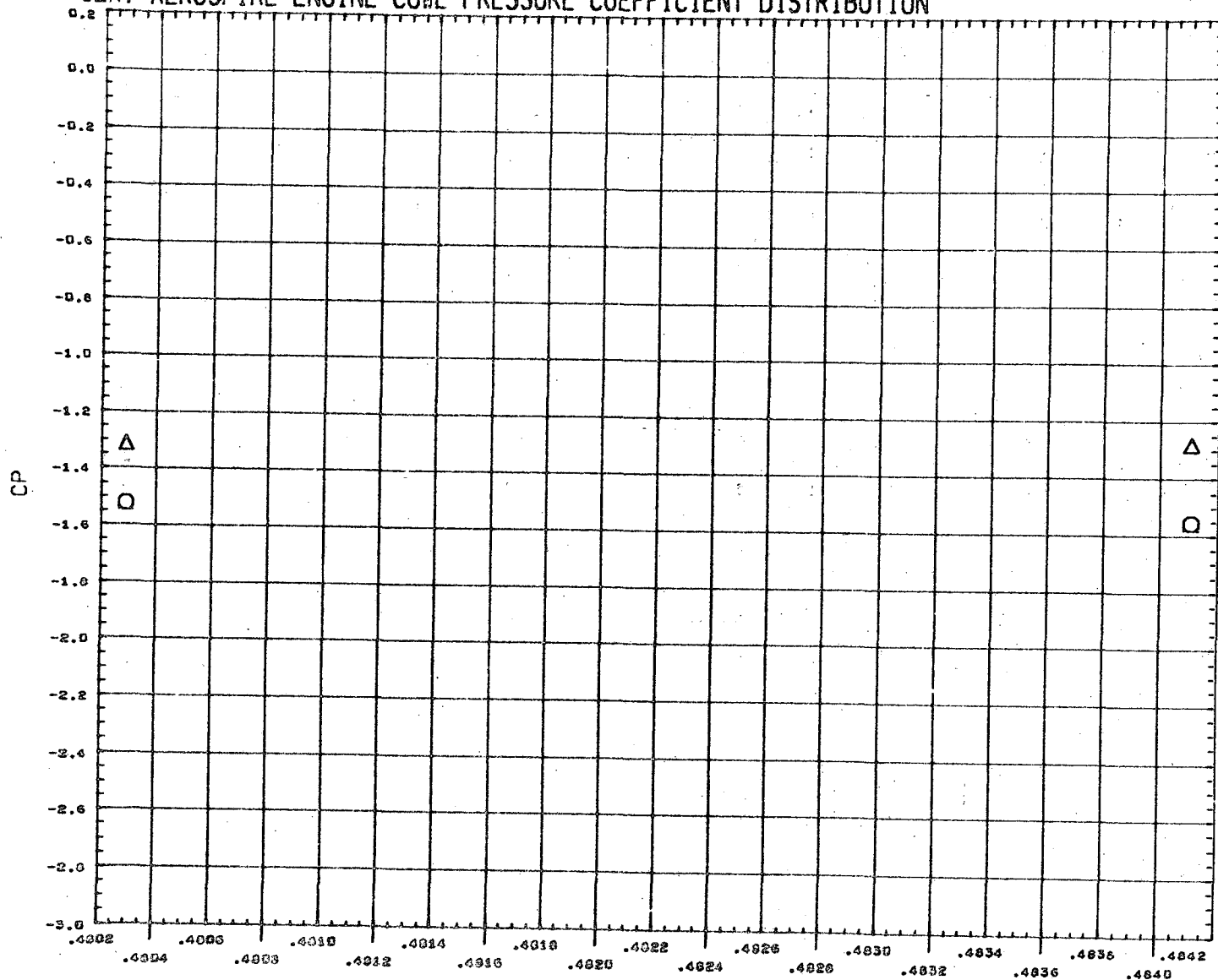
DATA8806X.F002E CCSD TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL			THETA	PRATIO	MACH	R/D			PARAMETRIC VALUES		
Q A	251.375	261.700	0.660	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004	
	305.639			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000	
				BREF	27.000	INCHES					
				XMRP	0.000	DIAMTR					
				YMRP	0.000	DIAMTR					
				ZMRP	0.000	DIAMTR					

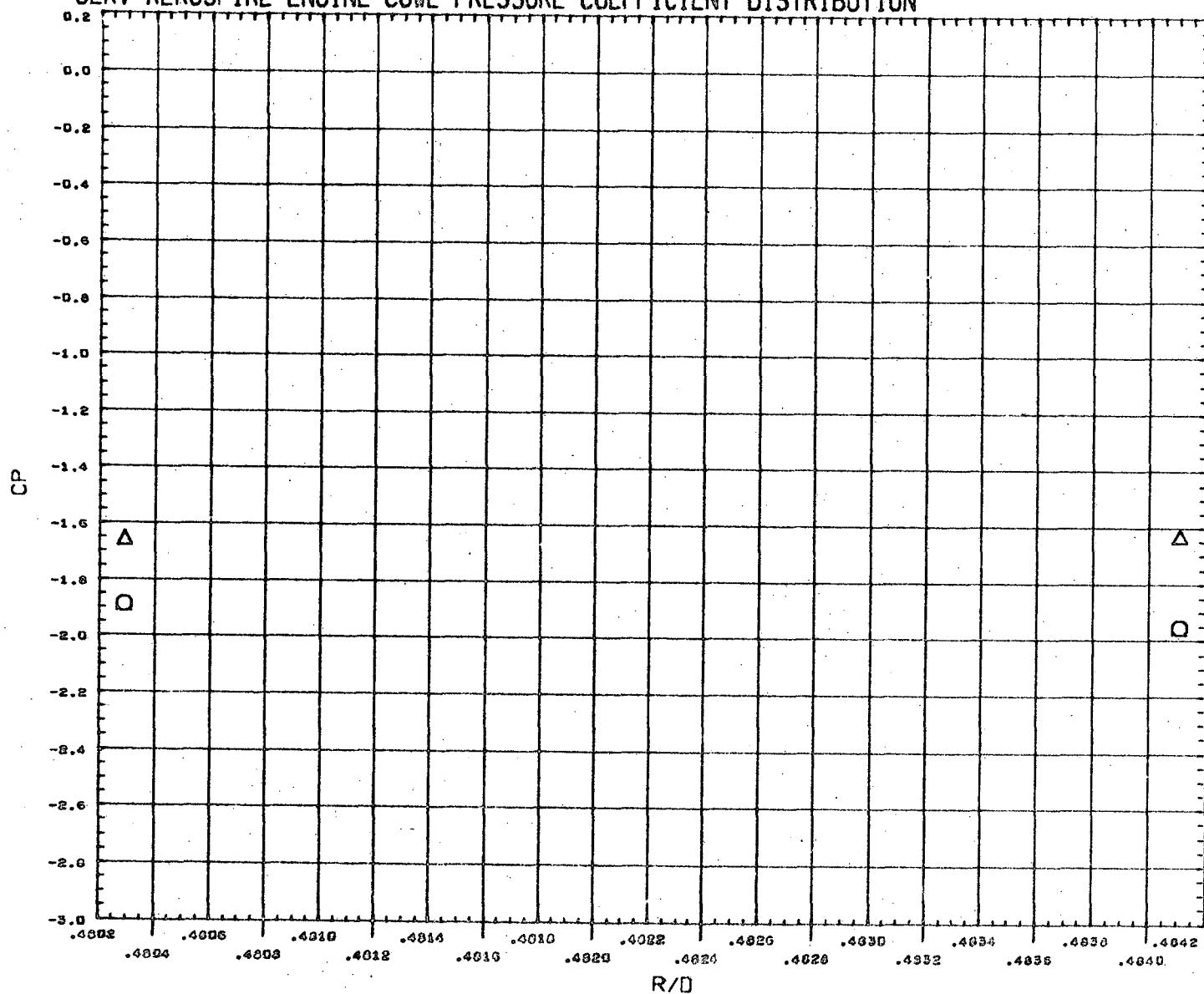
0070X0000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
O	264.375	401.290	0.598
Δ	303.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

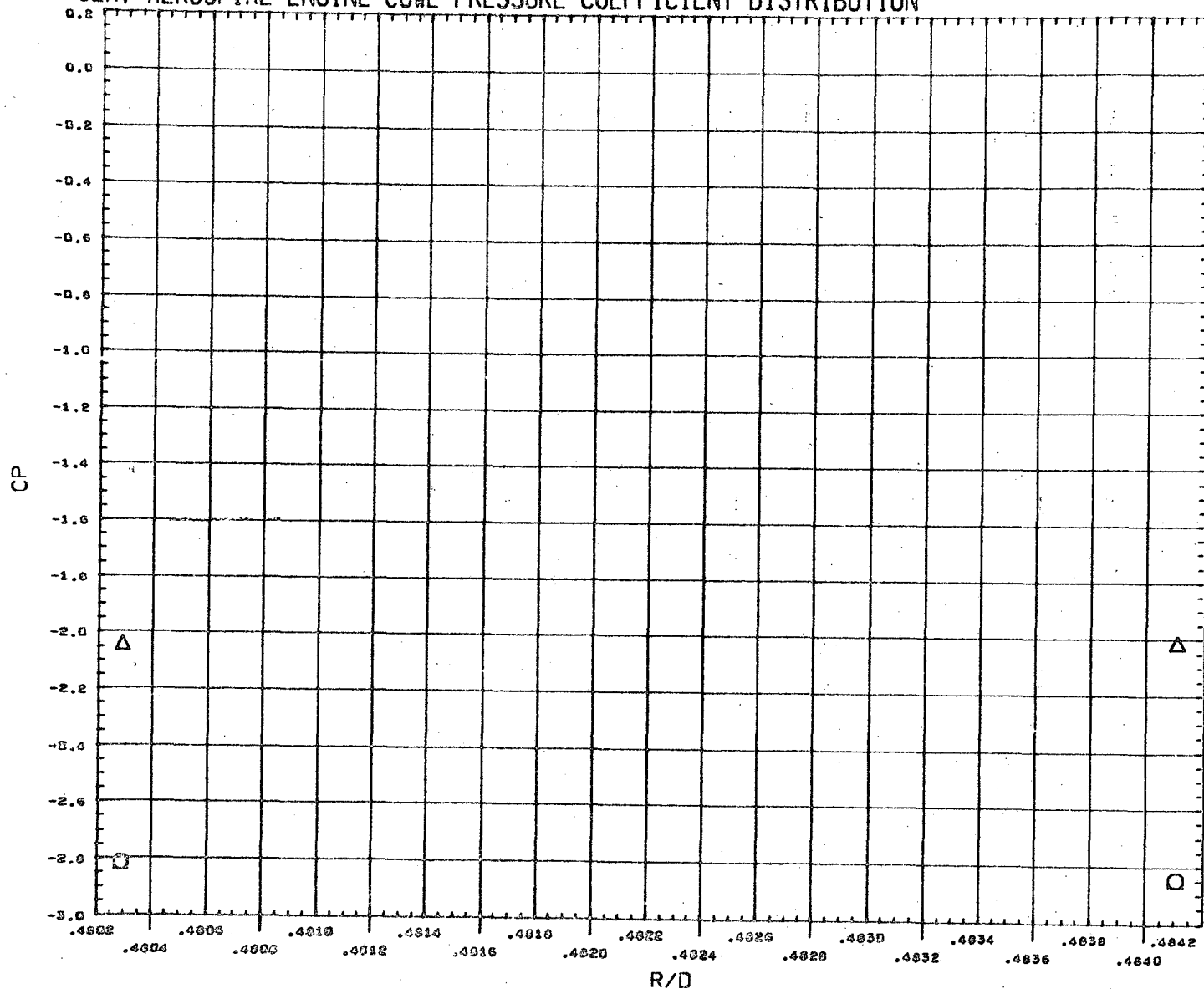
DATA SOURCE: F003E CC80 YH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 25.375 578.883 0.598
 Δ 303.635

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

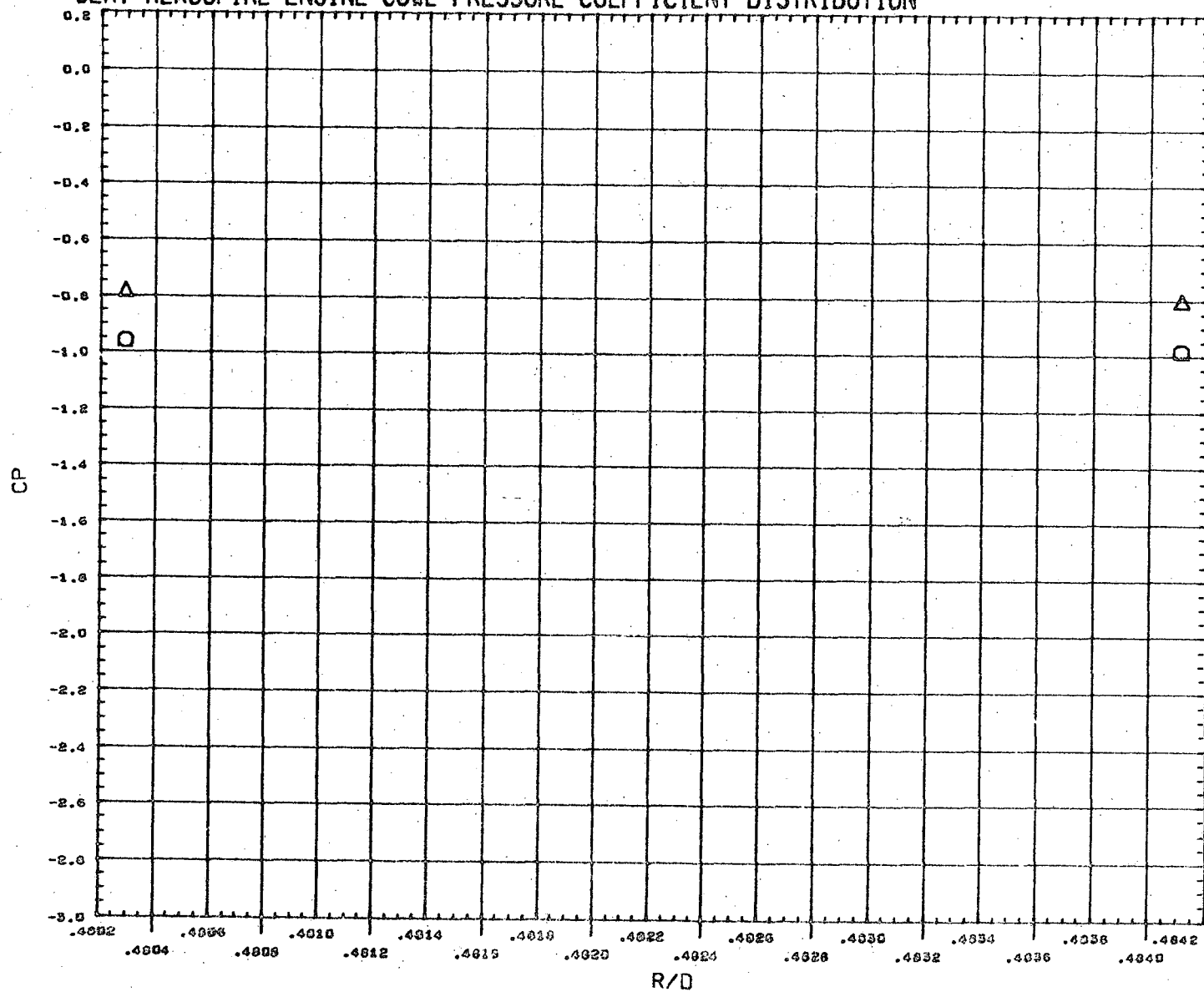
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AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SR.IN.	E/DOOR	PARAMETRIC VALUES	
△	264.375	302.353	0.891	LREF	27.000	INCHES	0.000	ALPHA	0.004
	305.630			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

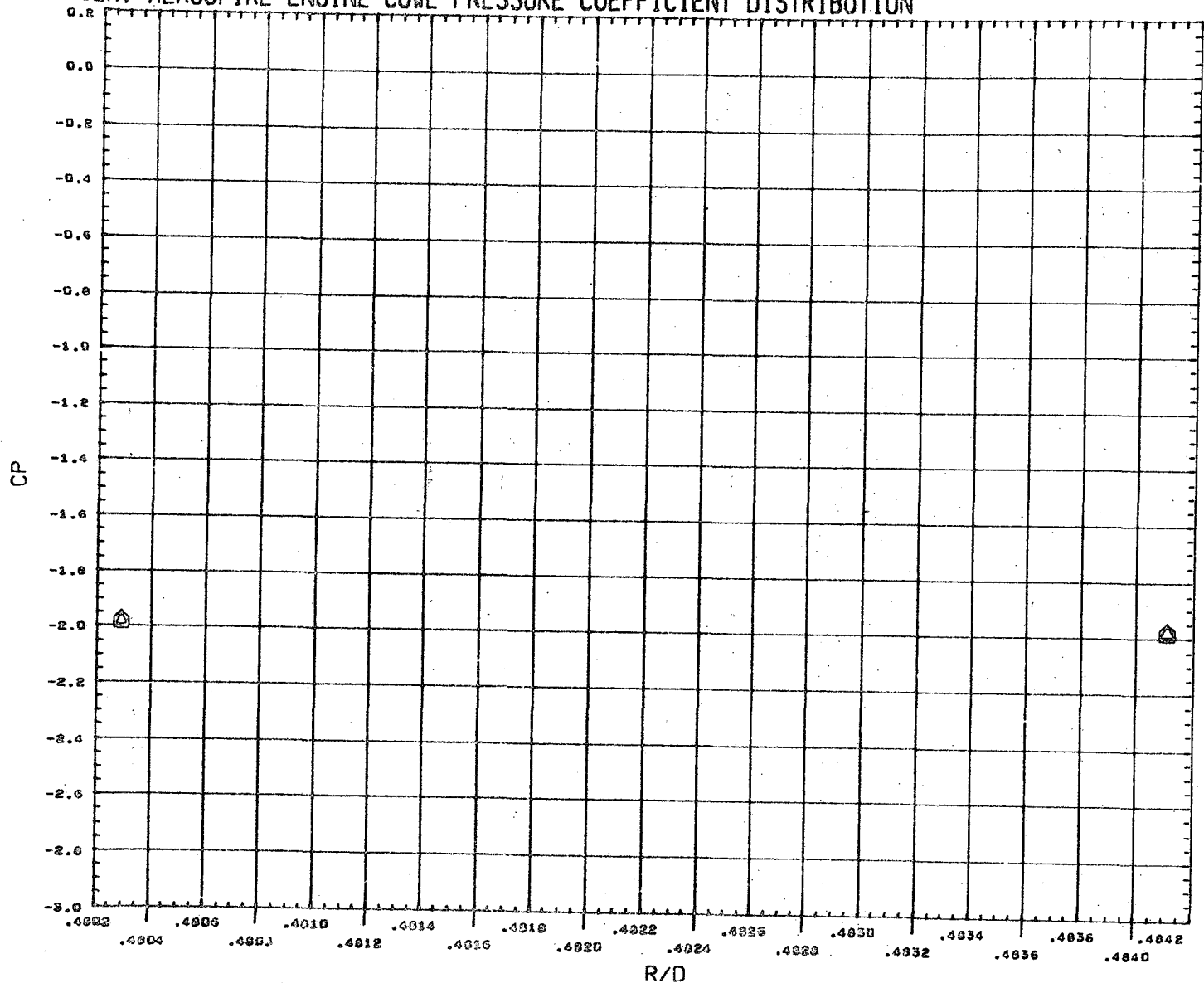
DATA SOURCE: FENCE CCOD TN-AP-79-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Δ 254.375 400.037 0.798
 ∇ 307.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

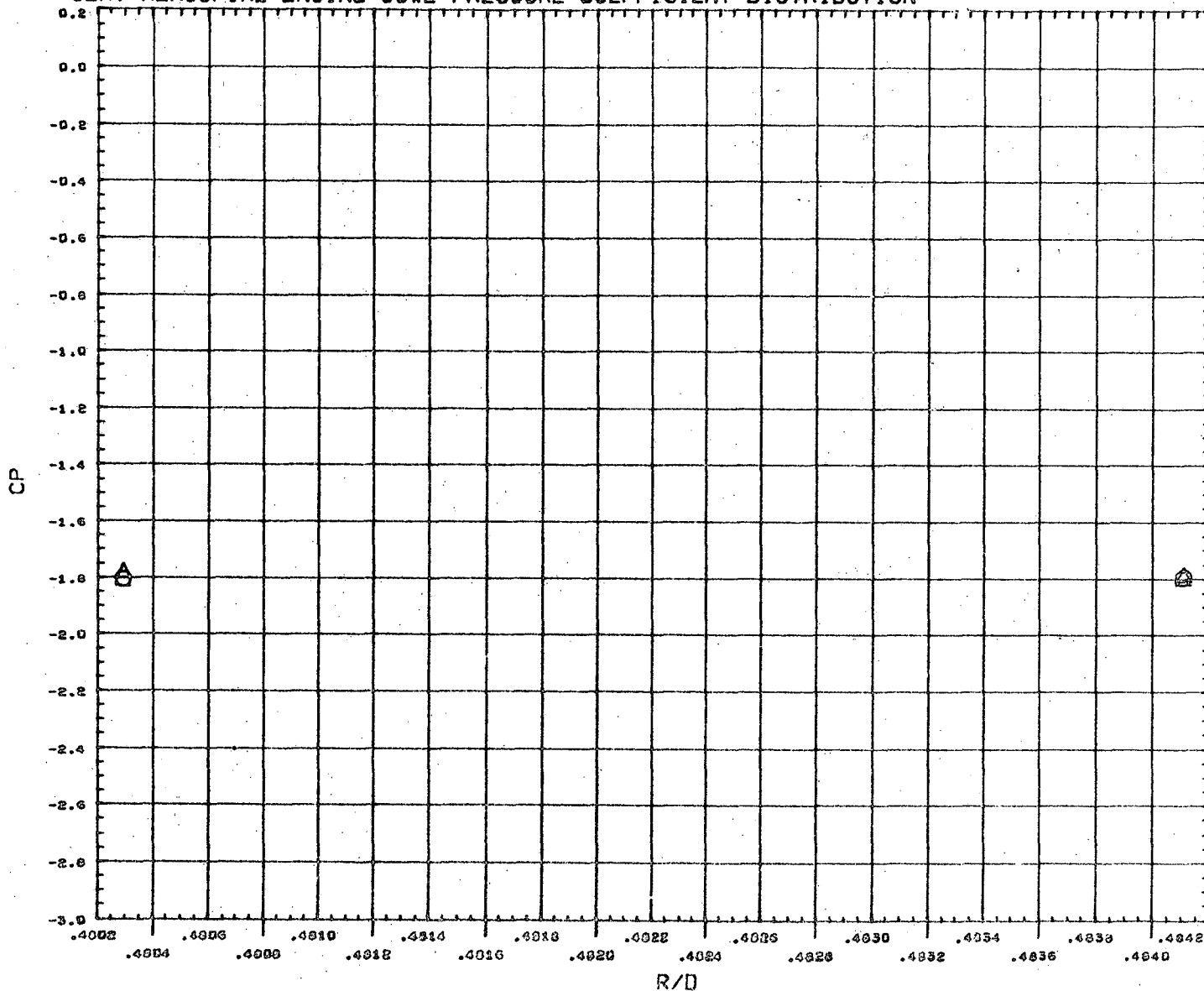
DATA80005.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG-IN.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC	0.004	0.000
○	264.375	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	58.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
△	305.630																					

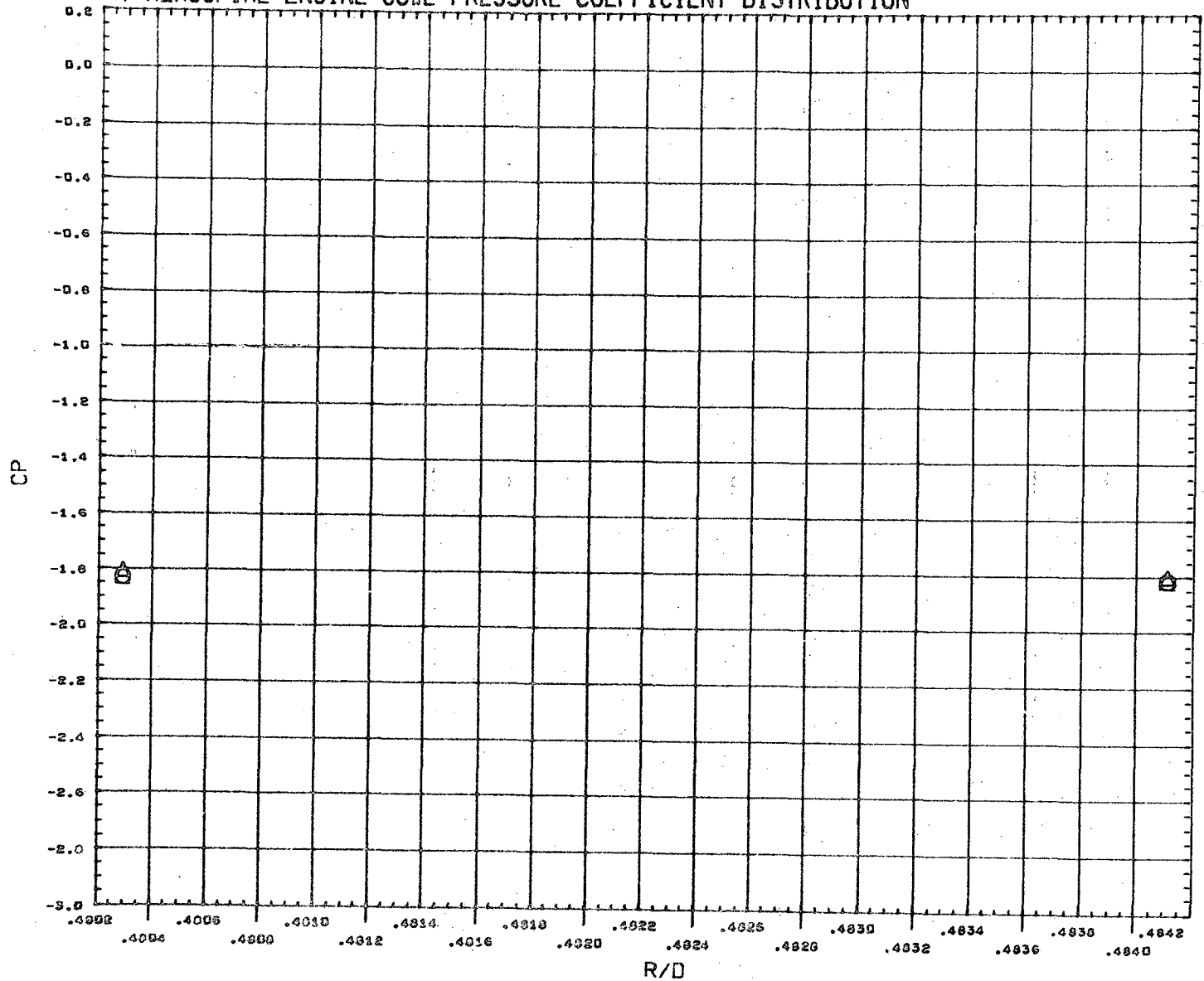
00000000.FIG001 CCG9 YW-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
Δ	264.375	688.802	0.803
	303.639		

SREF	572.957	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.000

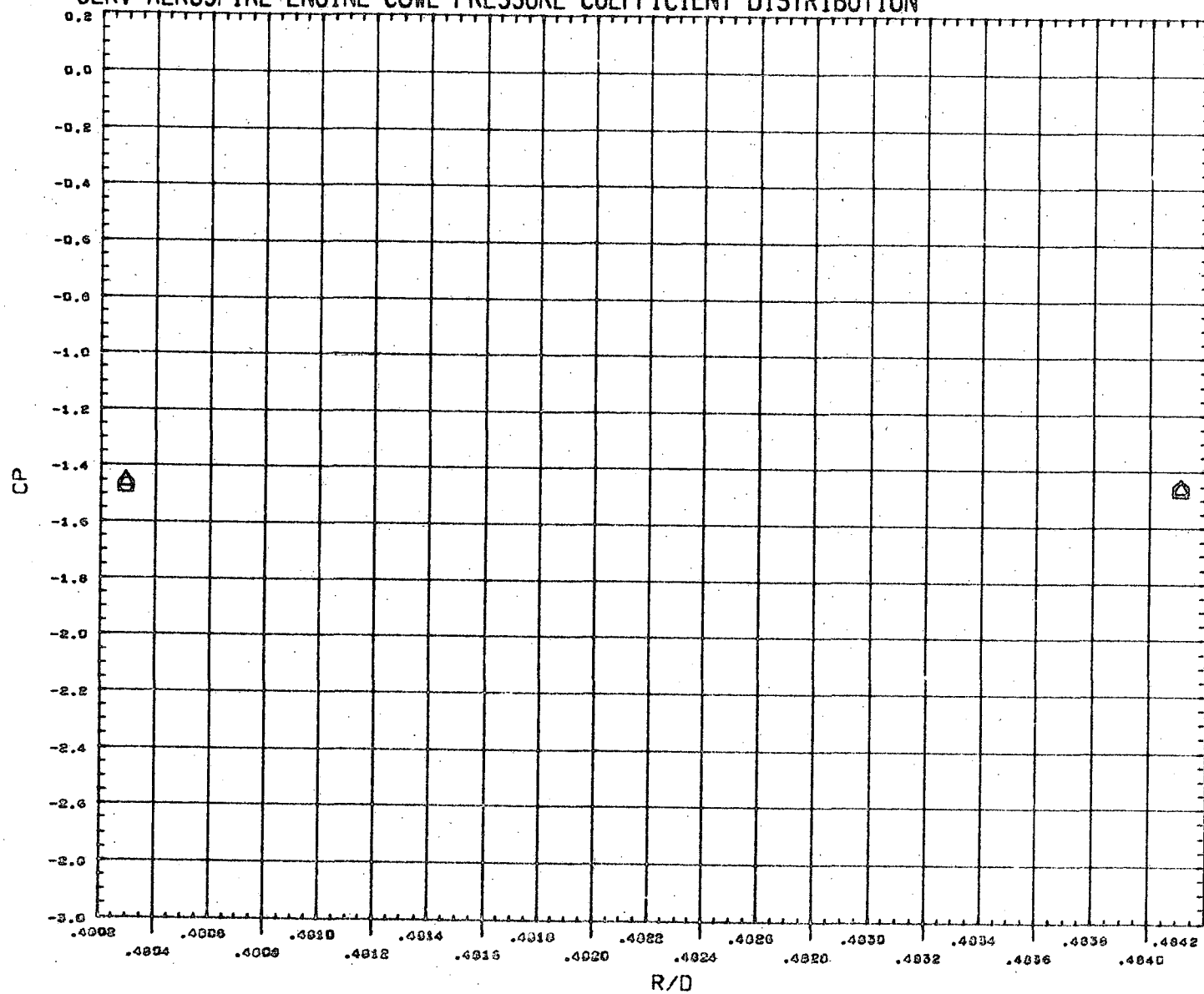
REVISIONS: F000E CCSD YN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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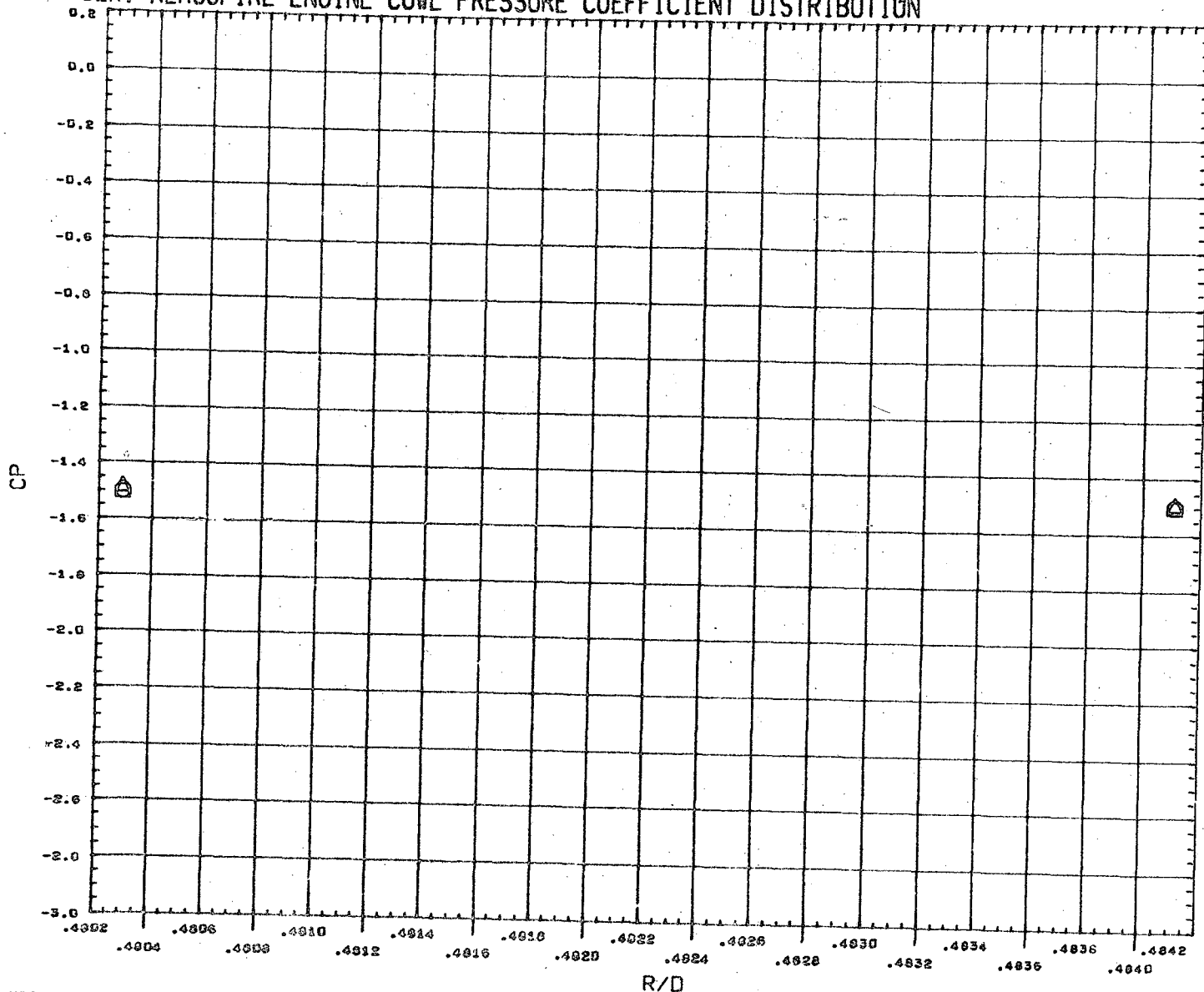
SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
△	264.375	306.157	0.905	LREF	27.000	INCHES	PC	0.000	ALPHA
	305.630			BREF	27.000	INCHES		404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.004
				YMRP	0.000	DIAMTR			0.000
				ZMRP	0.000	DIAMTR			

007848805.FC006 CC09 TN-AP-70-448

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 264.975 399.757 0.900
 A 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

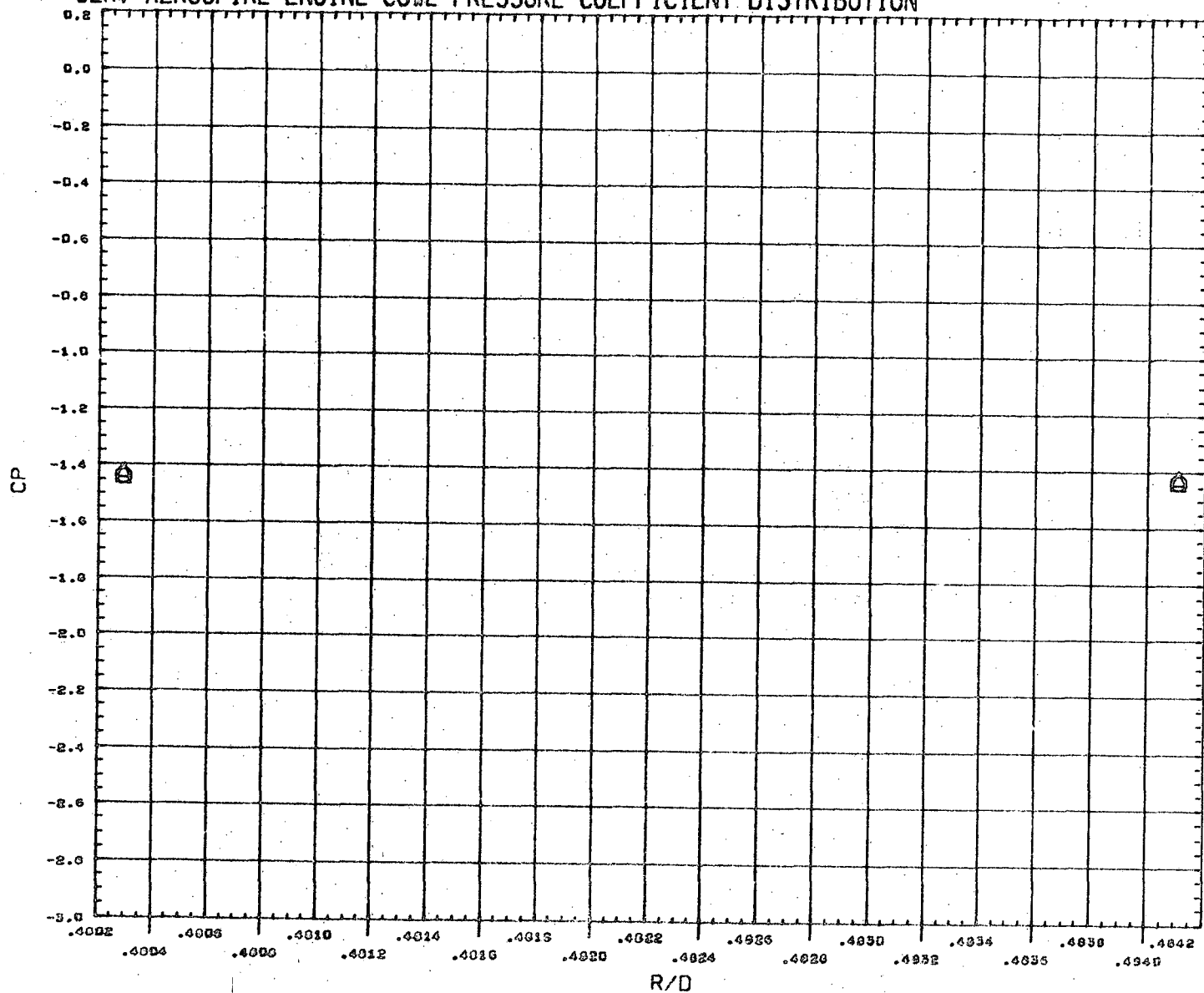
DATA SOURCE: FCGSE CCDD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
Q	264.375	600.200	0.895	LREF	27.000	INCHES	PC	0.000	ALPHA
	305.630			BREF	27.000	INCHES		404.679	WS/WPC
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				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

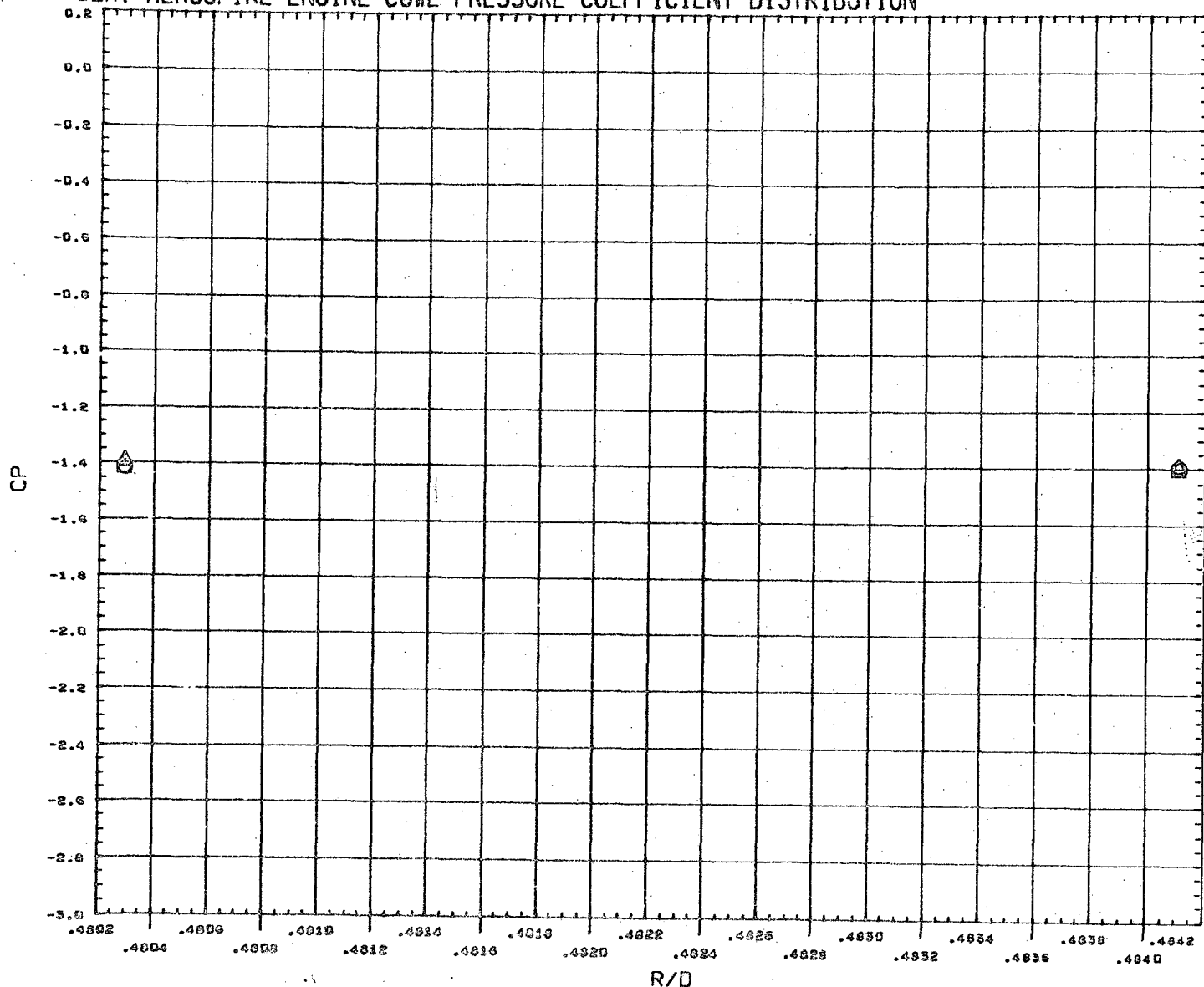
DDFORM 880-FC62E CCOD TN-AP-70-449

AEOC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 254.375 812.557 0.902
 A 305.630

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

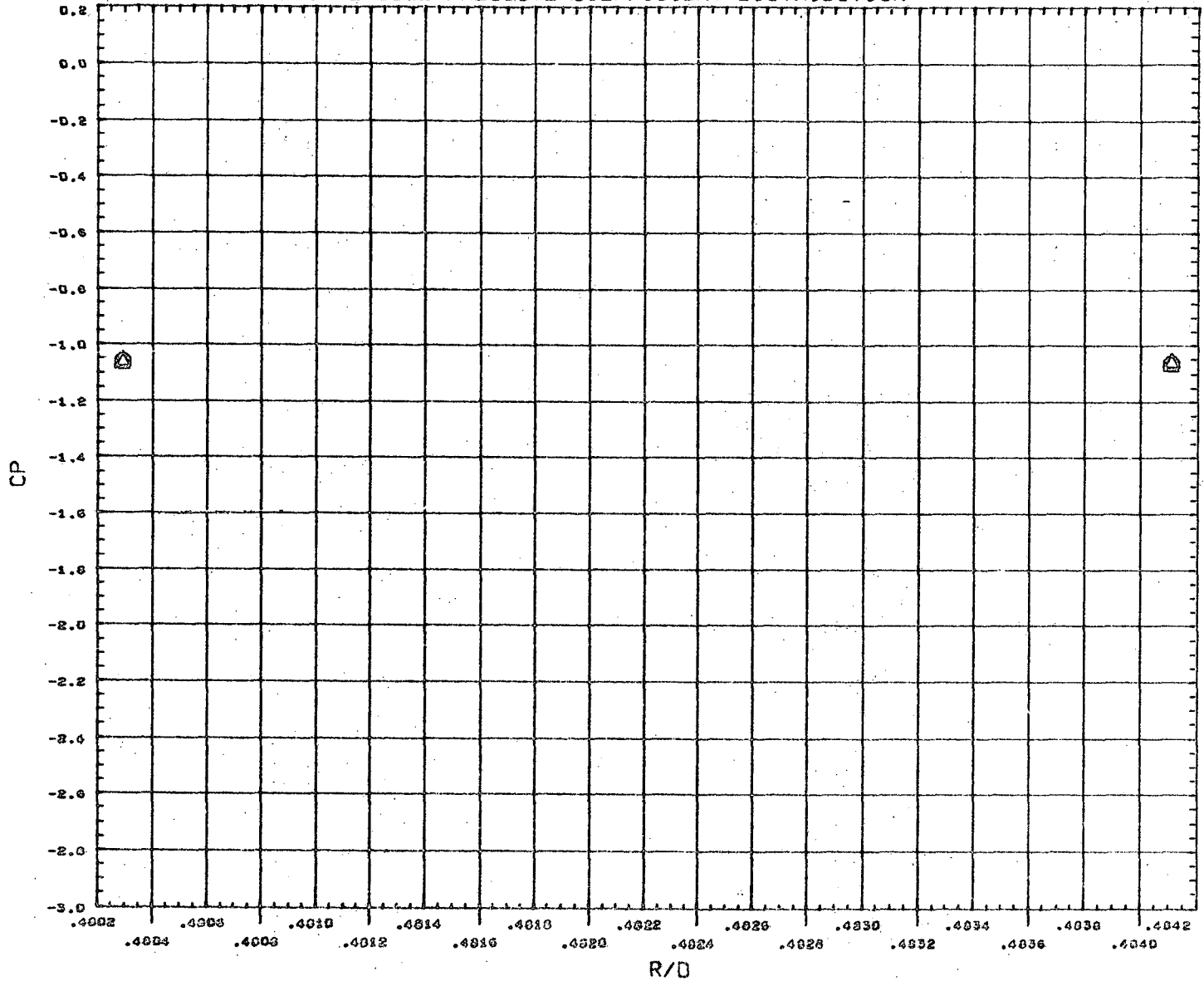
DATA SOURCE: FIGURE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XHREF	YHREF	ZHREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
	264.375	395.993	1.100	27.000	27.000	27.000	0.000	0.000	0.000	INCHES	INCHES	FC	404.679	WS/WFC	0.000
	303.630			0.000	0.000	0.000	0.000	0.000	0.000	DIAMTR	DIAMTR				

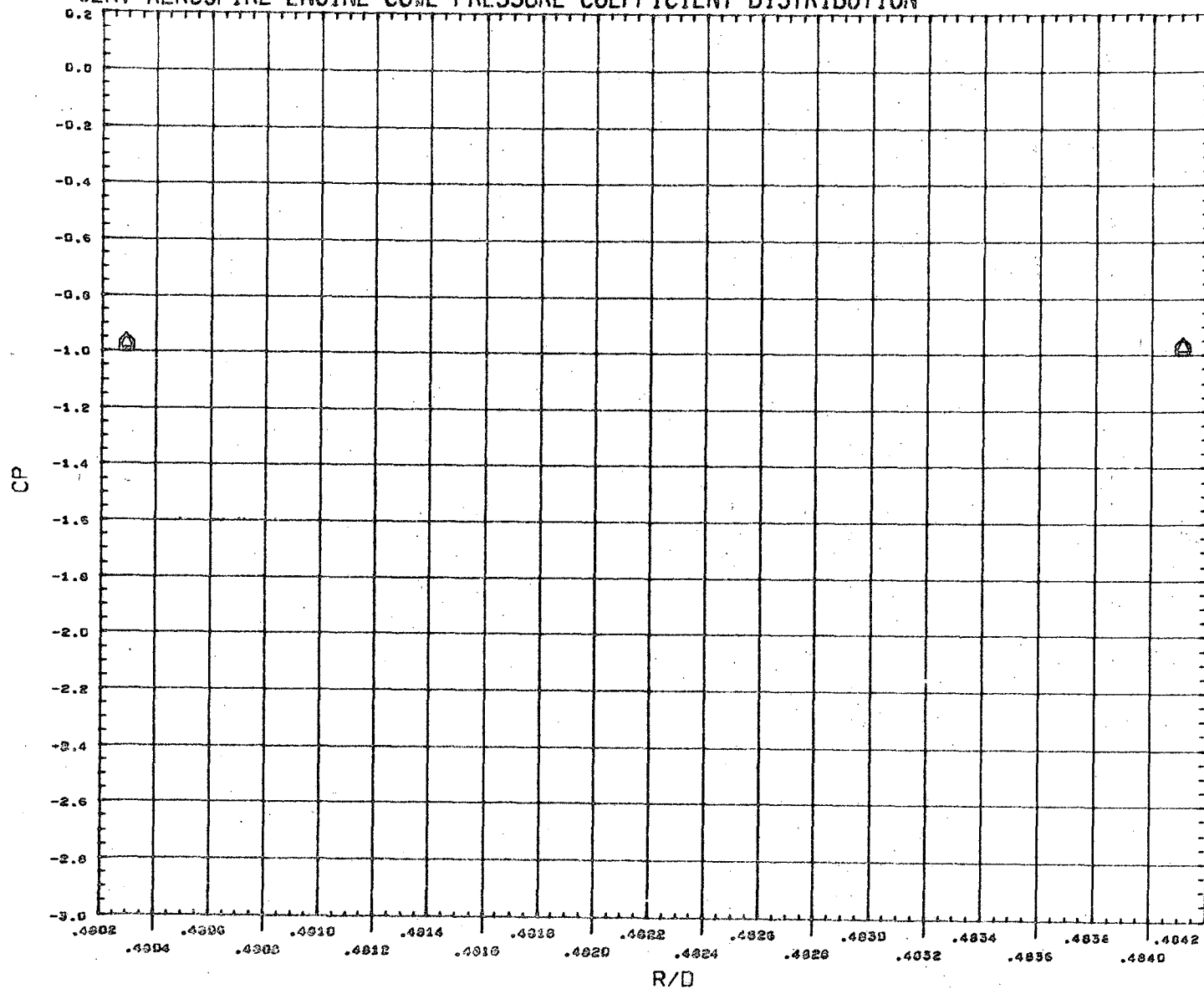
0870R0305.F0002 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
A	254.375	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
	350.630			BREF	27.000	INCHES		404.679	WS/WPC 0.000
				XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

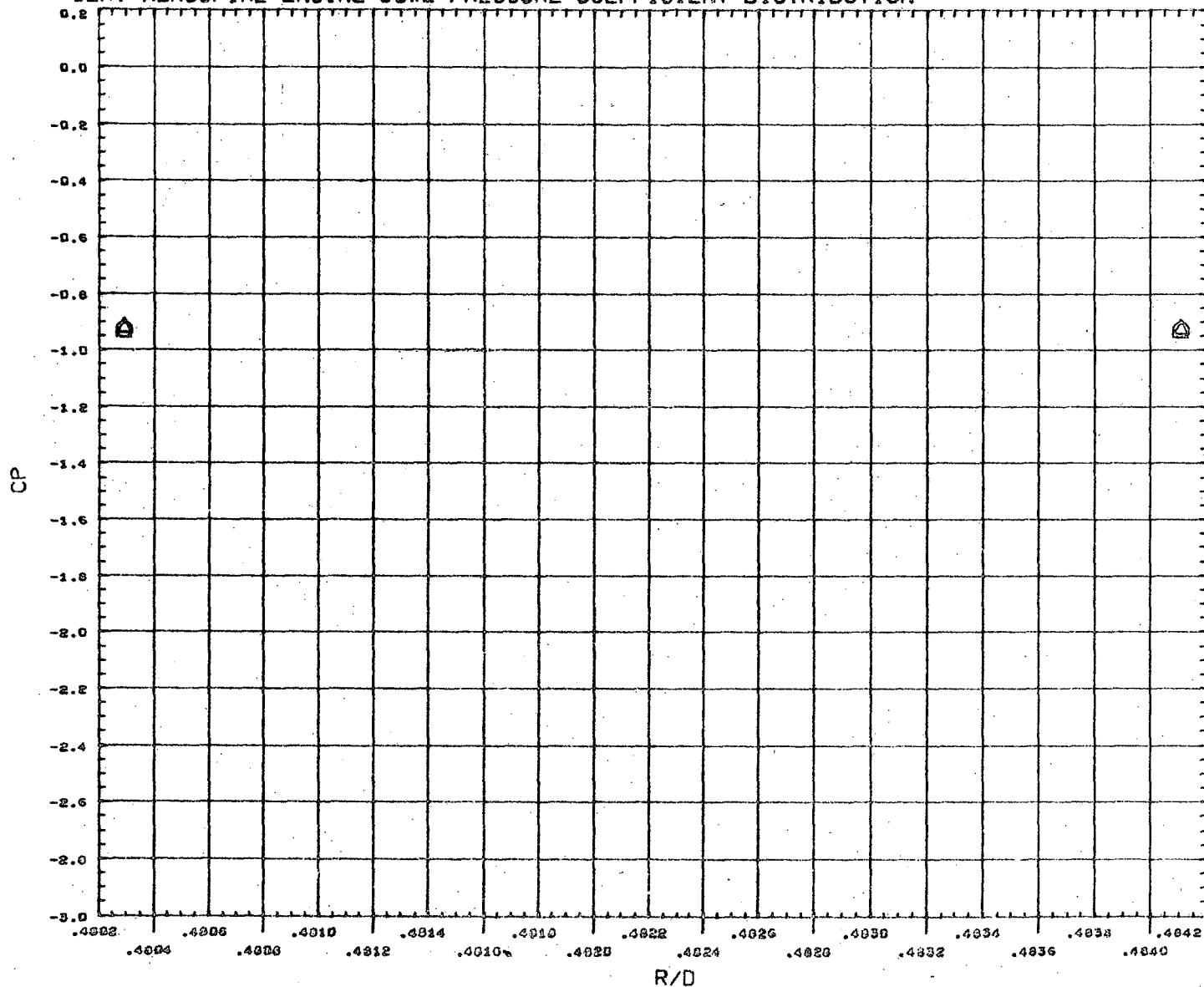
0335R033.FECSE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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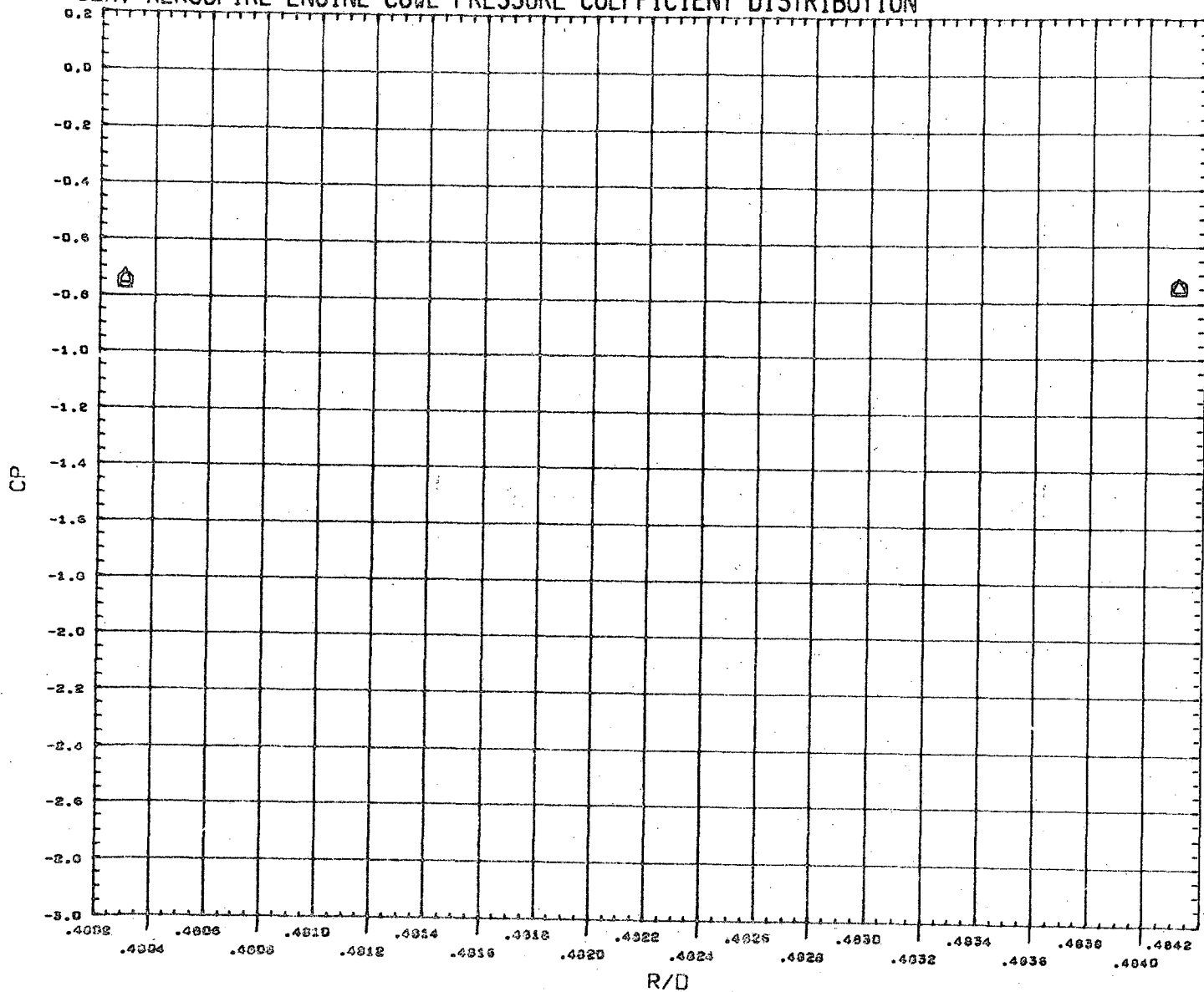
SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES							
○	264.375	599.127	1.089	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	0.004	
△	305.630			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000	
				BREF	27.000	INCHES					
				XMRP	0.000	DIAMTR					
				YMRP	0.000	DIAMTR					
				ZMRP	0.000	DIAMTR					

0570R0006.FE00E CCSD TN-AP-70-449

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
△	251.375	406.123	1.254	LREF	27.000	INCHES	FC	0.000	ALPHA 0.004
	355.630			OREF	27.000	INCHES		404.679	WS/WPC 0.000
				XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

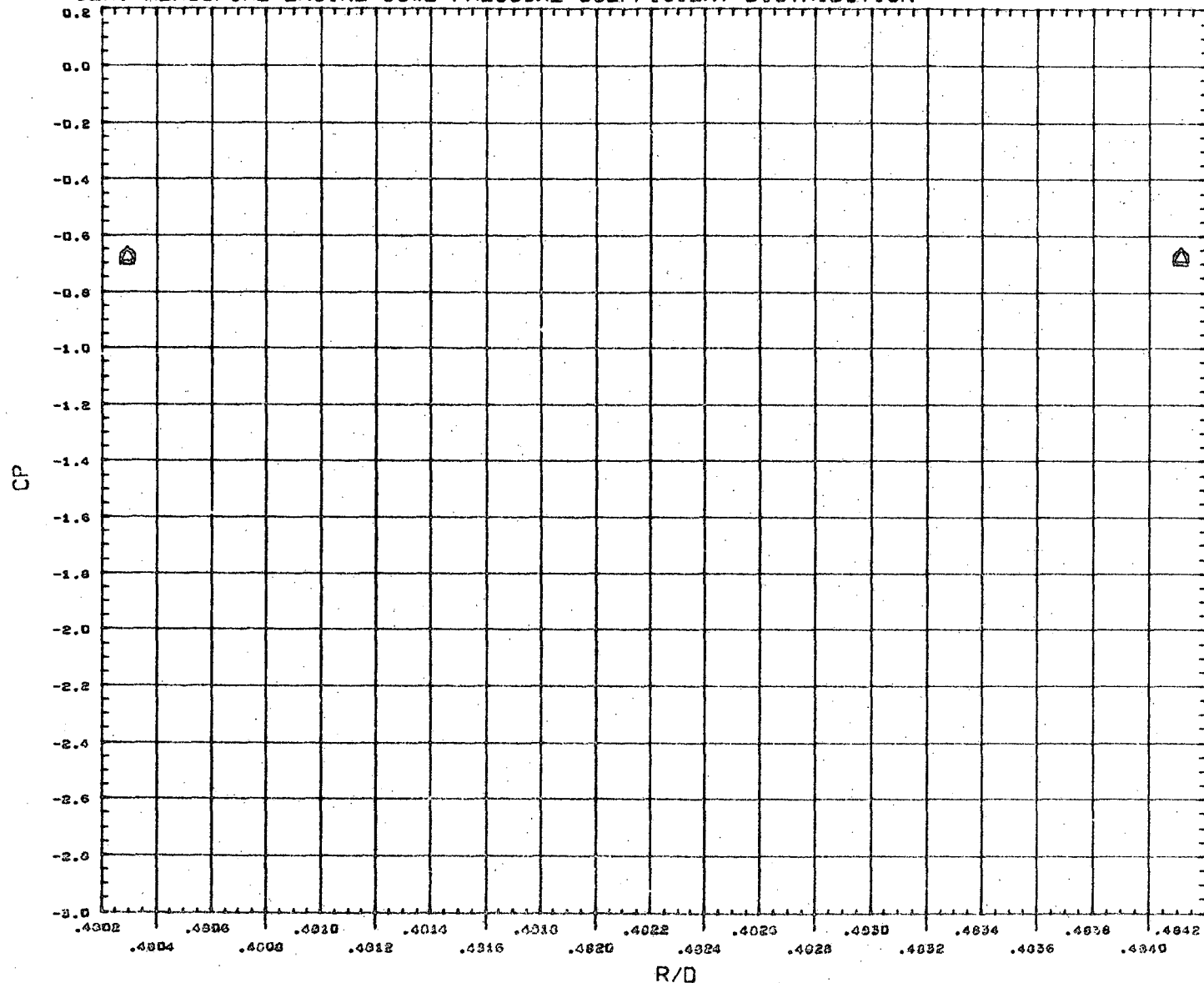
88060333.FE22E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



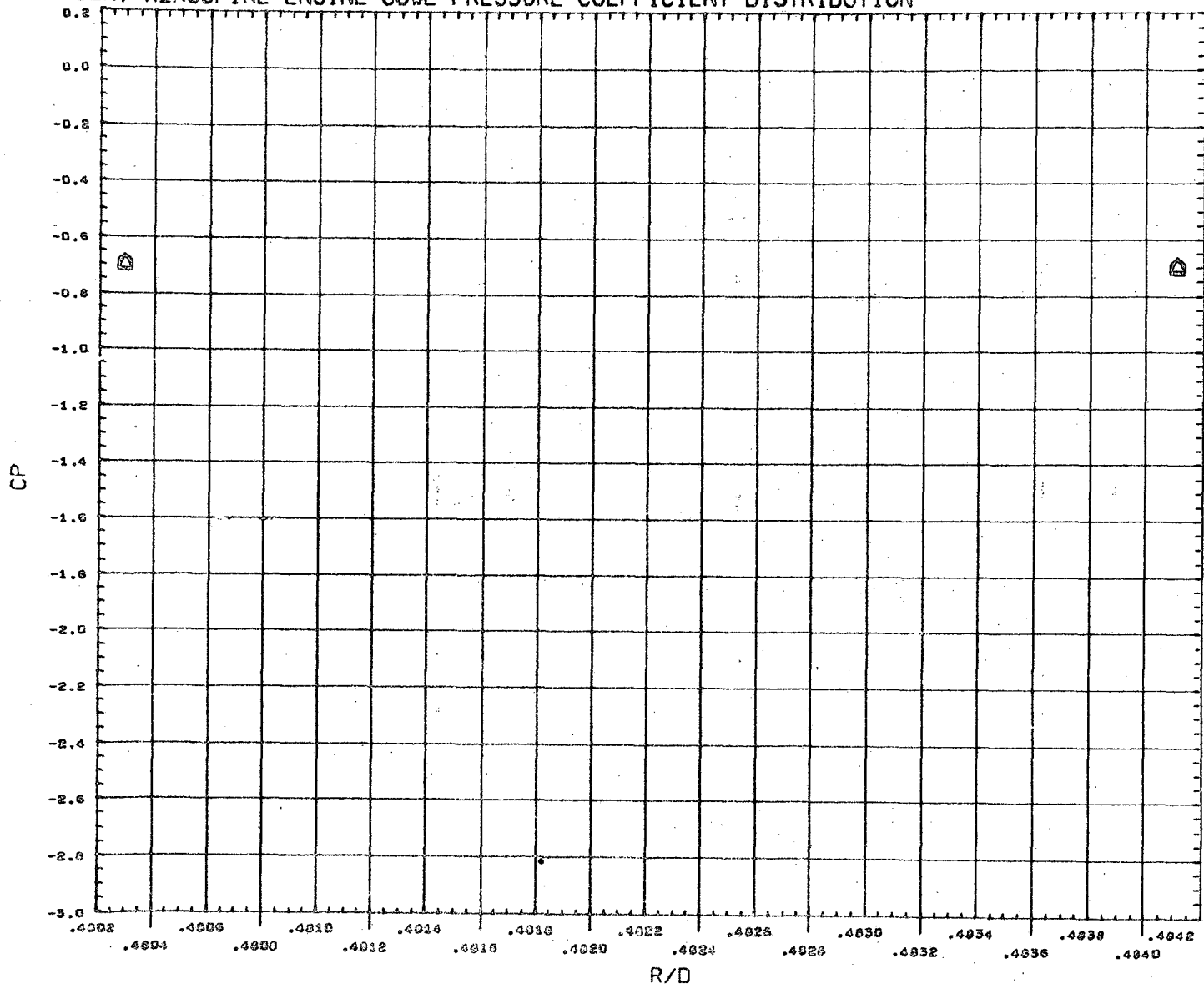
SYMBOL	THETA	PRATIO	MACH
○	264.375	751.932	1.261
△	305.630		

SREF	572.557	50. IN.
LRFP	27.000	INCHES
BRFP	27.000	INCHES
XHRP	0.000	DIAMTR
YHRP	0.000	DIAMTR
ZHRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WPC
		0.000

057888034.FE02E CC00 TN-AP-78-443

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 831.960 1.240
 Δ 305.530

SREF 572.557 SR.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHREF 0.000 DIAMTR
 YHREF 0.000 DIAMTR
 ZHREF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

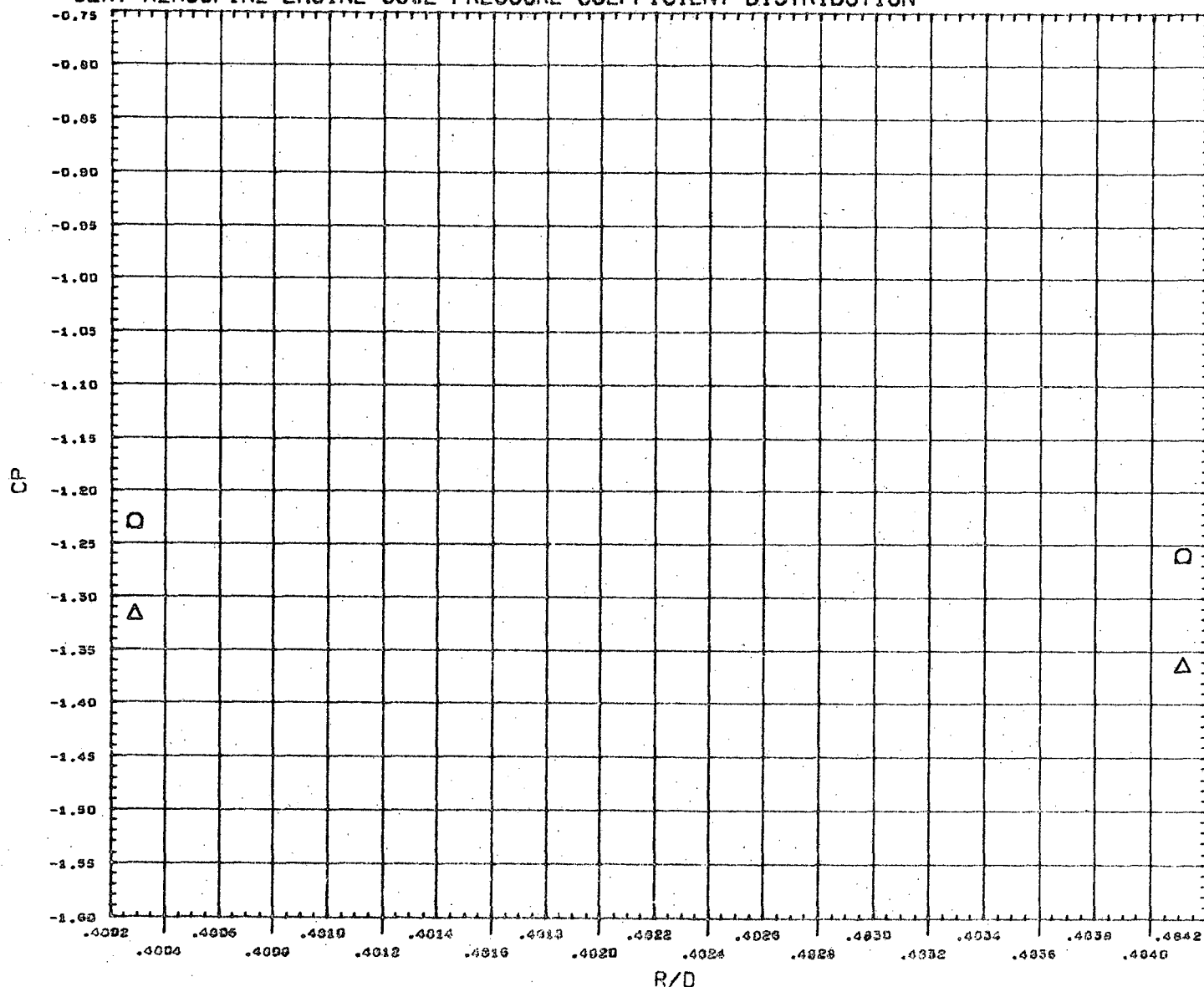
DATA SOURCE: FIGURE CCSD TN-AP-70-403

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



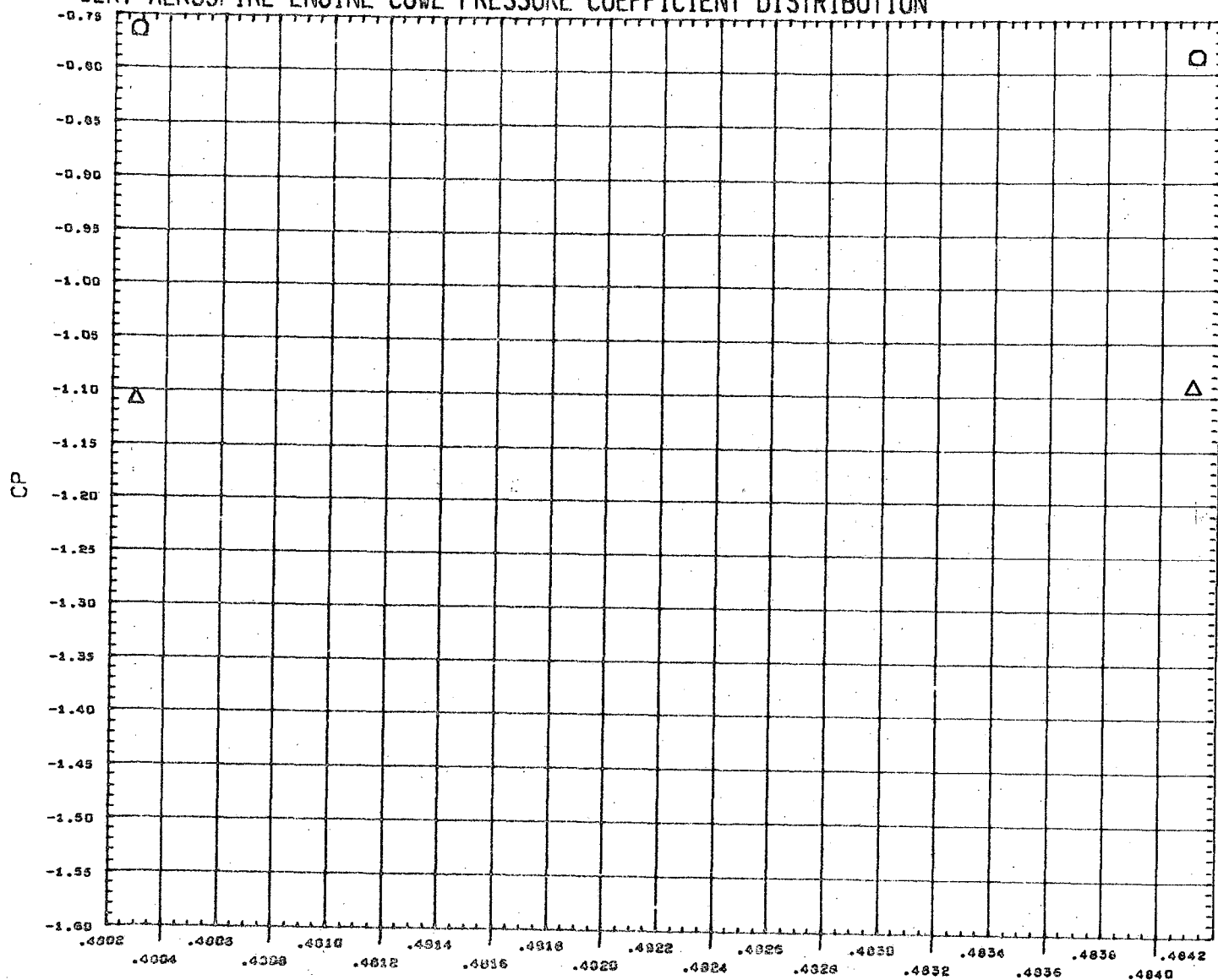
SYMBOL	THETA	FRACTION	MACH	SREF	572.557	50 IN.	E/DOOR	PARAMETRIC VALUES	0.000	ALPHA	8.022
O	264.375	202.083	0.599	LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000	
Δ	305.630			BREF	27.000	INCHES					
				XMRP	0.000	DIAMTR					
				YMRP	0.000	DIAMTR					
				ZMRP	0.000	DIAMTR					

080400005.F0002E CCSD TH-AP-70-545

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD (AT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL INETA FRATIO MACH
 O 264.375 299.500 0.801
 Δ 305.630

SREF 572.557 SR.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRF 0.000 DIAMTR
 YHRF 0.000 DIAMTR
 ZHRF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.022
 PC 402.996 WS/WFC 0.000

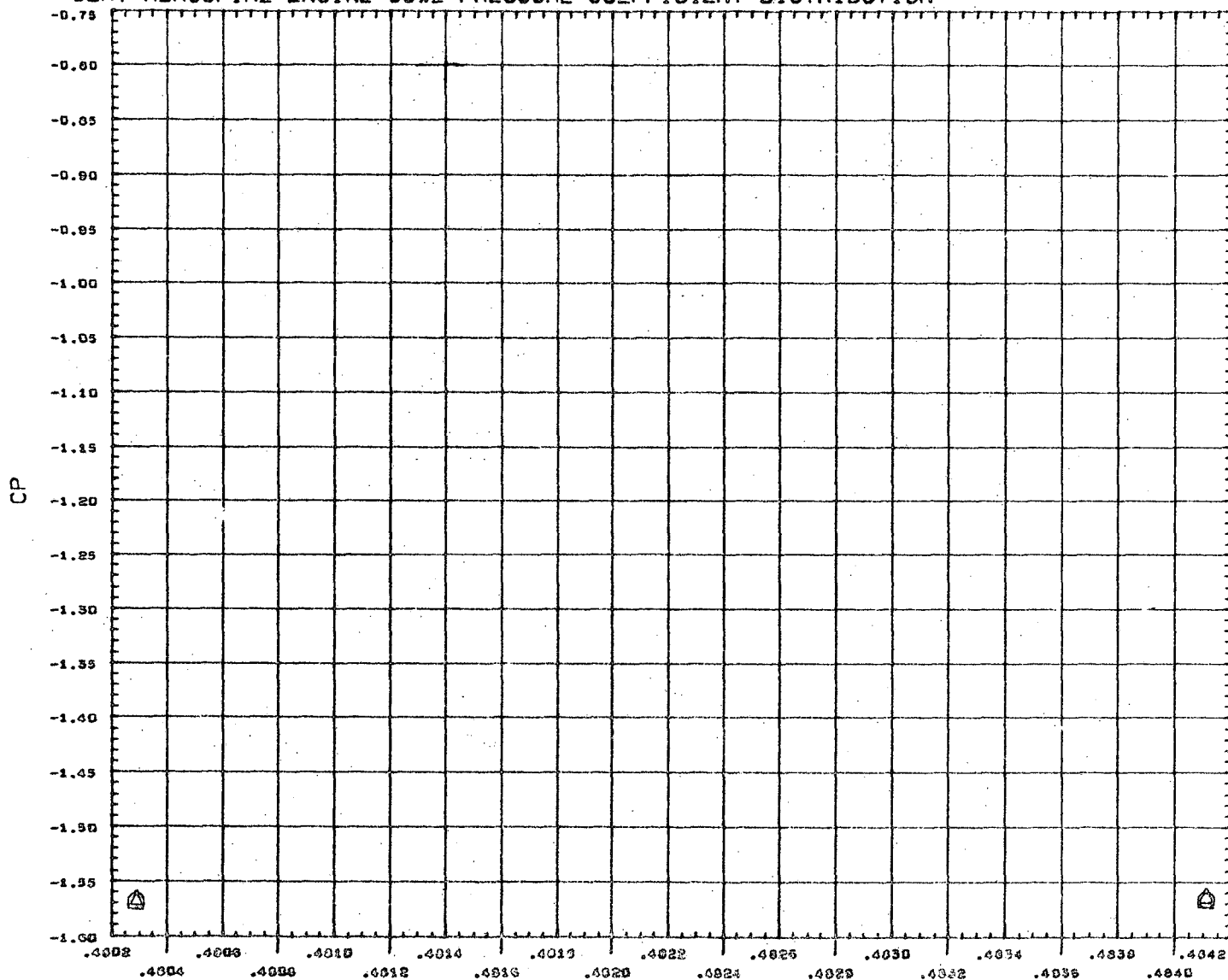
0870R0885.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



R/D

SYMBOL	THETA	PRATIO	MACH	SREF	572.557	59. IN.	E/DOOR	0.000	ALPHA	8.022
Q	264.375	398.487	0.899	LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
	305.630			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

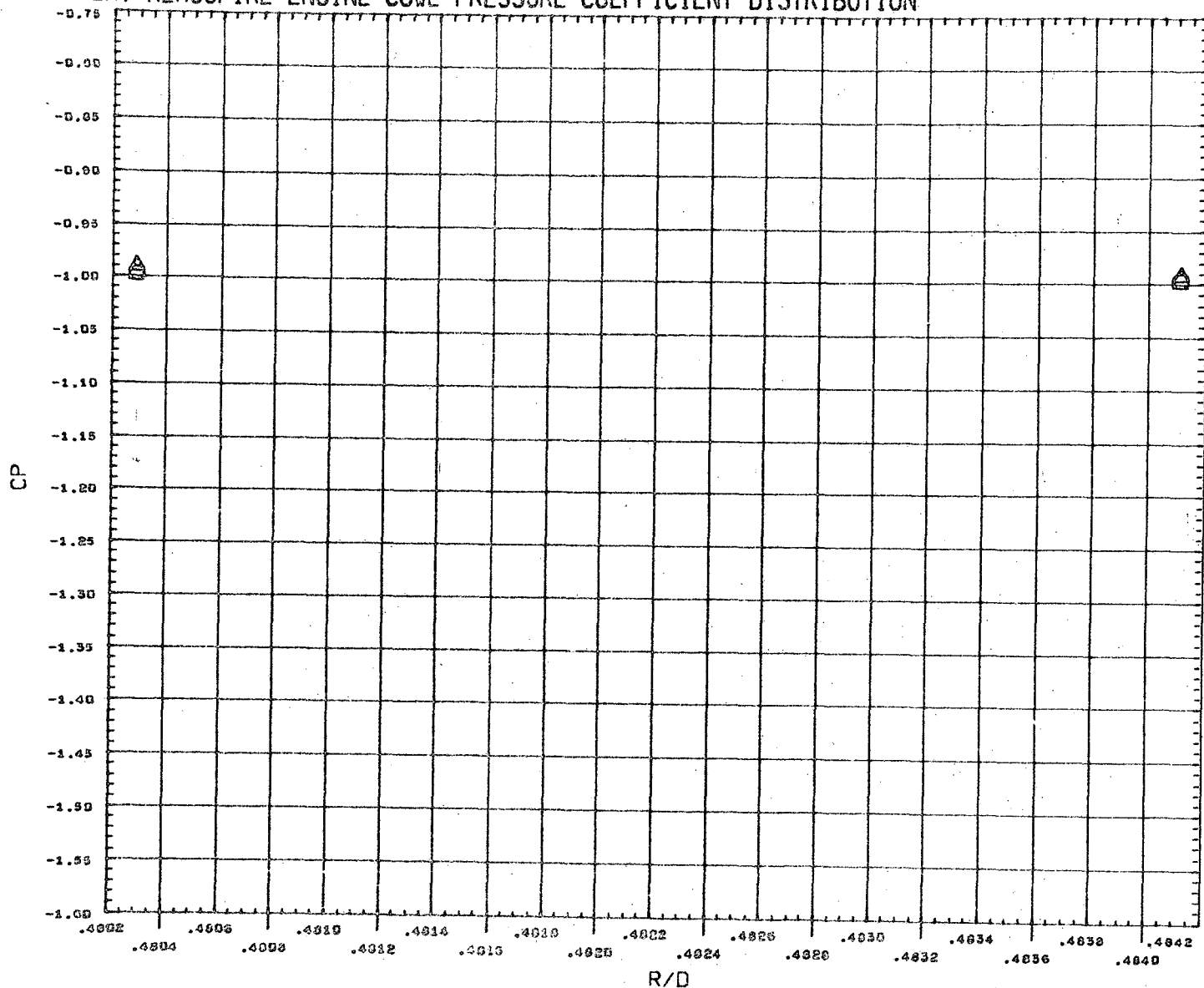
BS70R030X.FC00E CCSD TM-A2-70-440


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 284.375 452.457 1.100
 305.638

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

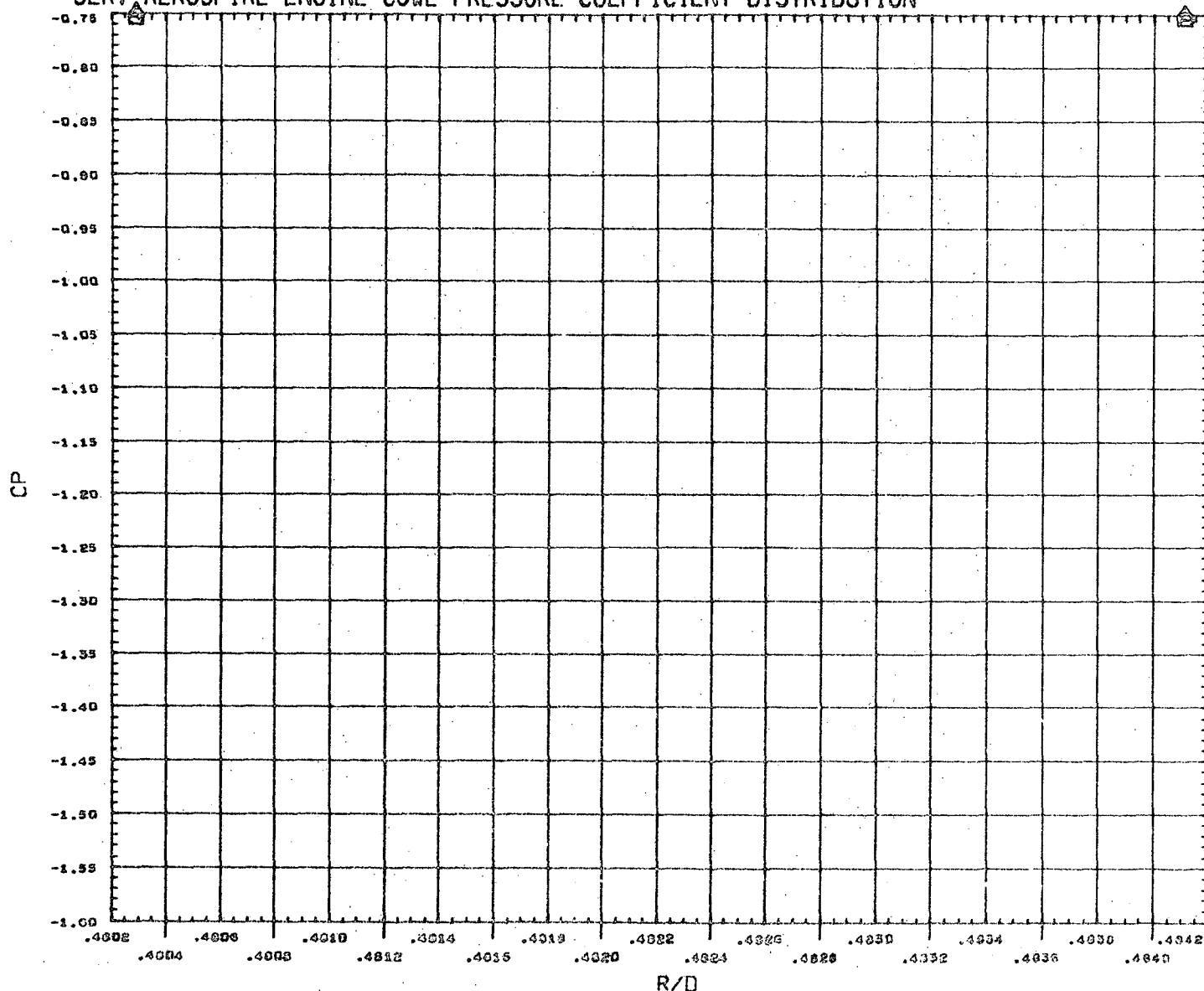
WATERLOO, F662E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	0.000	ALPHA	8.022
	264.375	400.737	1.253	LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
	305.630			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

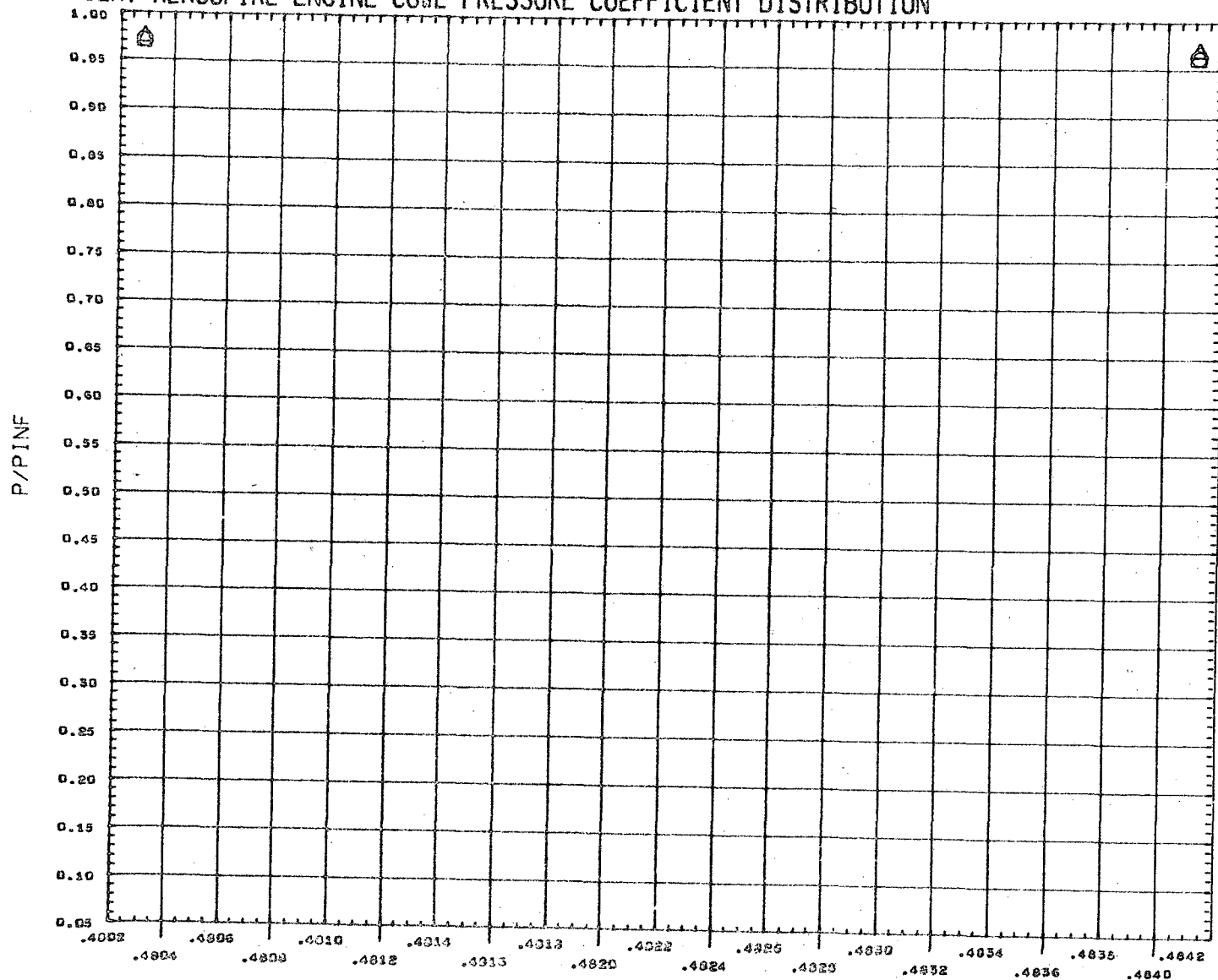
08000001.F0000 CCSD TO-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(AT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Δ 264.375 125.800 0.085
 Δ 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XNRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

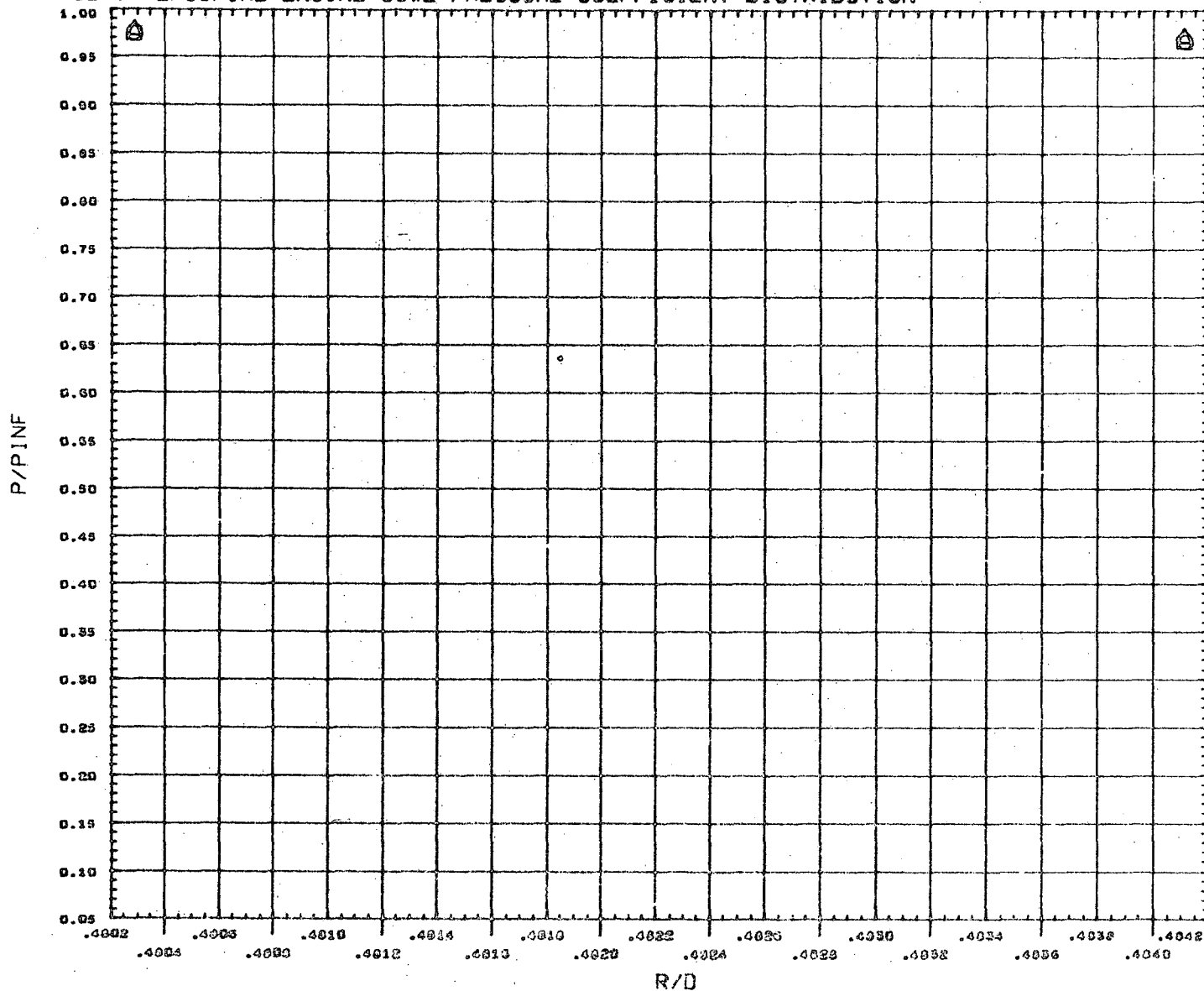
DIFFERENCE FSCBE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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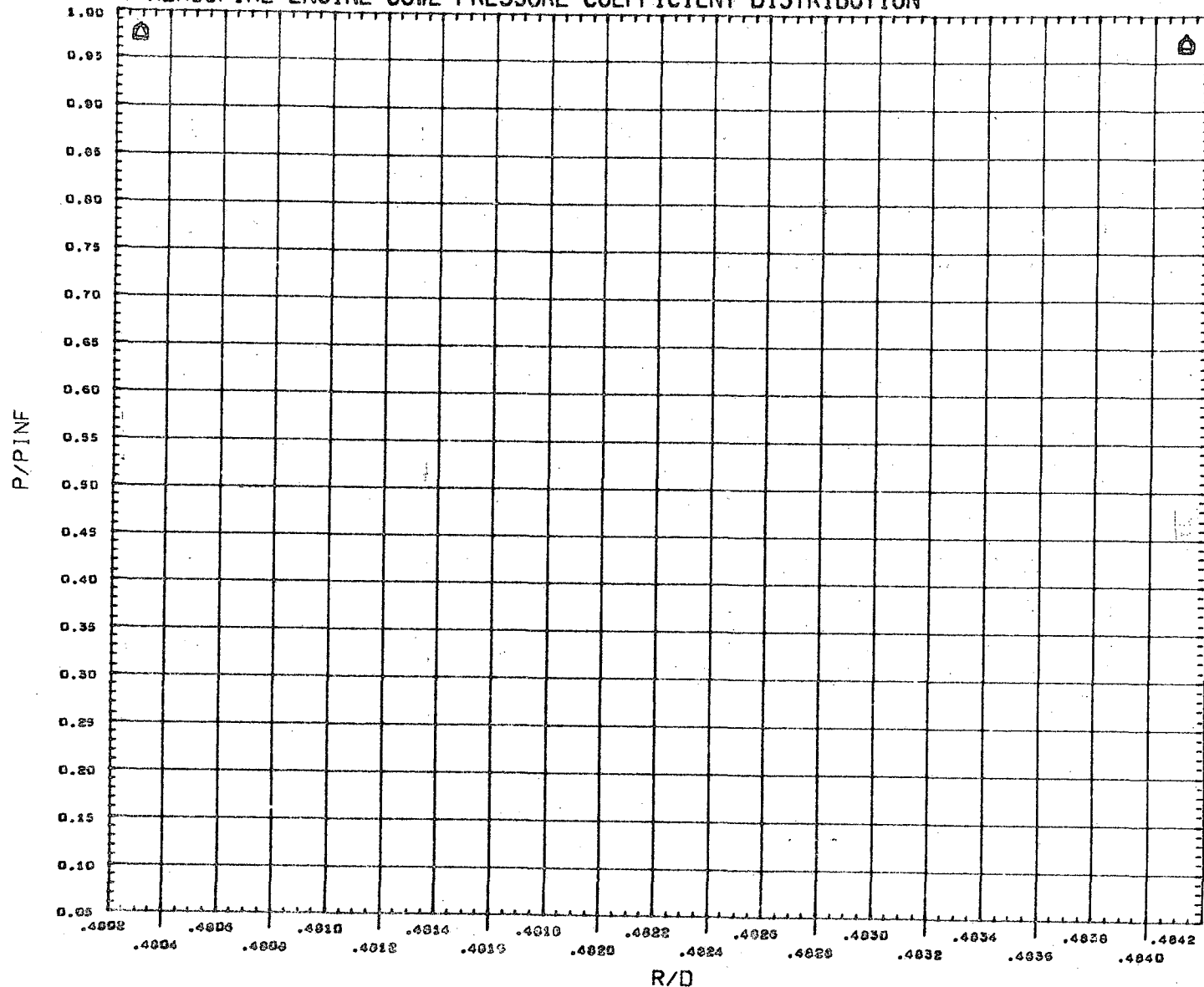
SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES			
Q	264.375	151.003	0.099	SREF	572.557	SR.IN.	E/DOOR
A	305.630			LREF	27.000	INCHES	PC
				BREF	27.000	INCHES	
				XRFP	0.000	DIAHTR	
				YRFP	0.000	DIAHTR	
				ZRFP	0.000	DIAHTR	

08000003.F000E C000 TN-AP-70-443

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



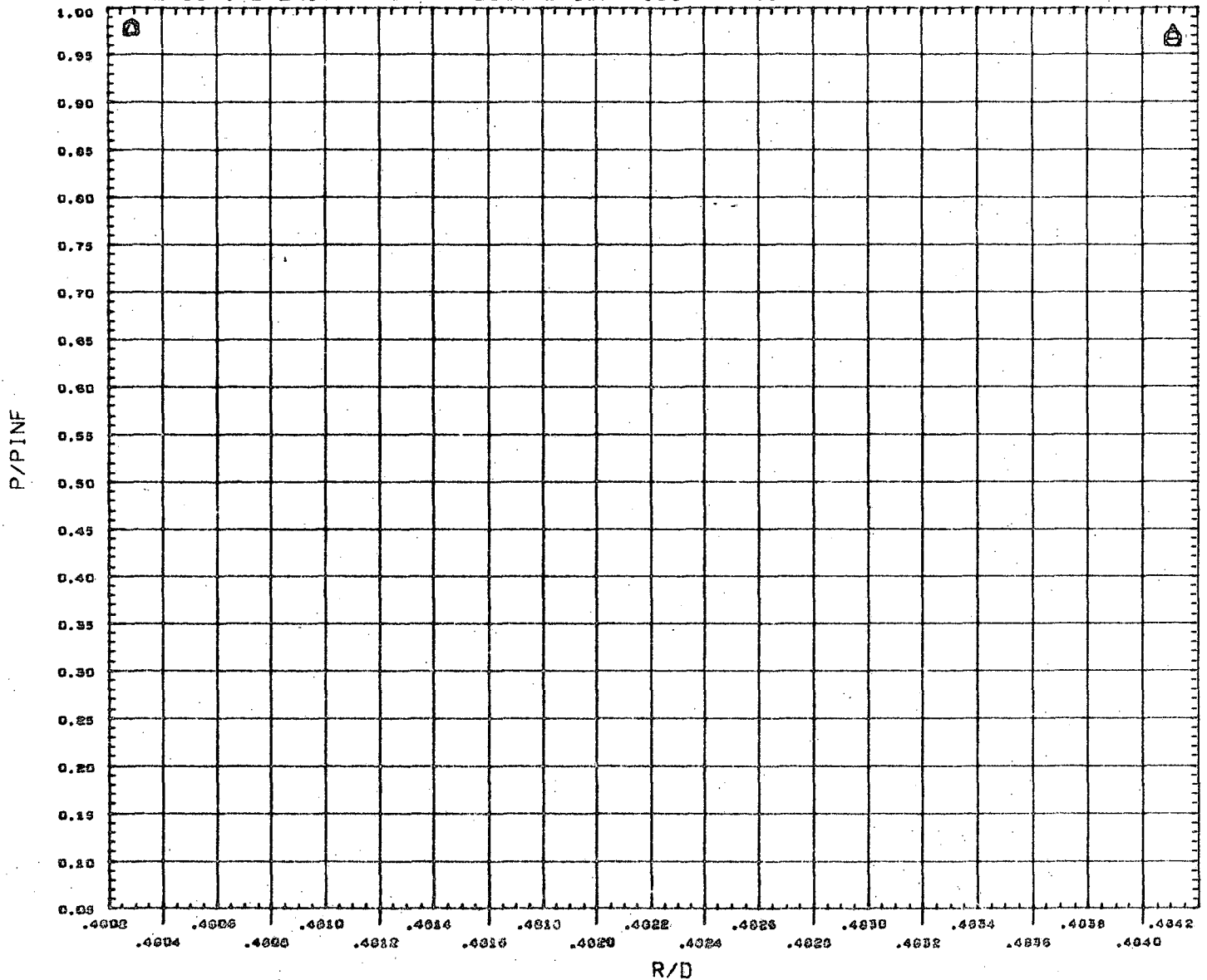
SYMBOL	THETA	PRATIO	MACH
	264.373	200.173	0.086
	305.600		

SREF	572.557	SQ.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WPC
		0.000

08080000.FCODE CCOD TN-AP-70-449

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ. IN.	E/DCOR	0.000	ALPHA	0.004
	264.375	304.463	0.074	LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
	305.630			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

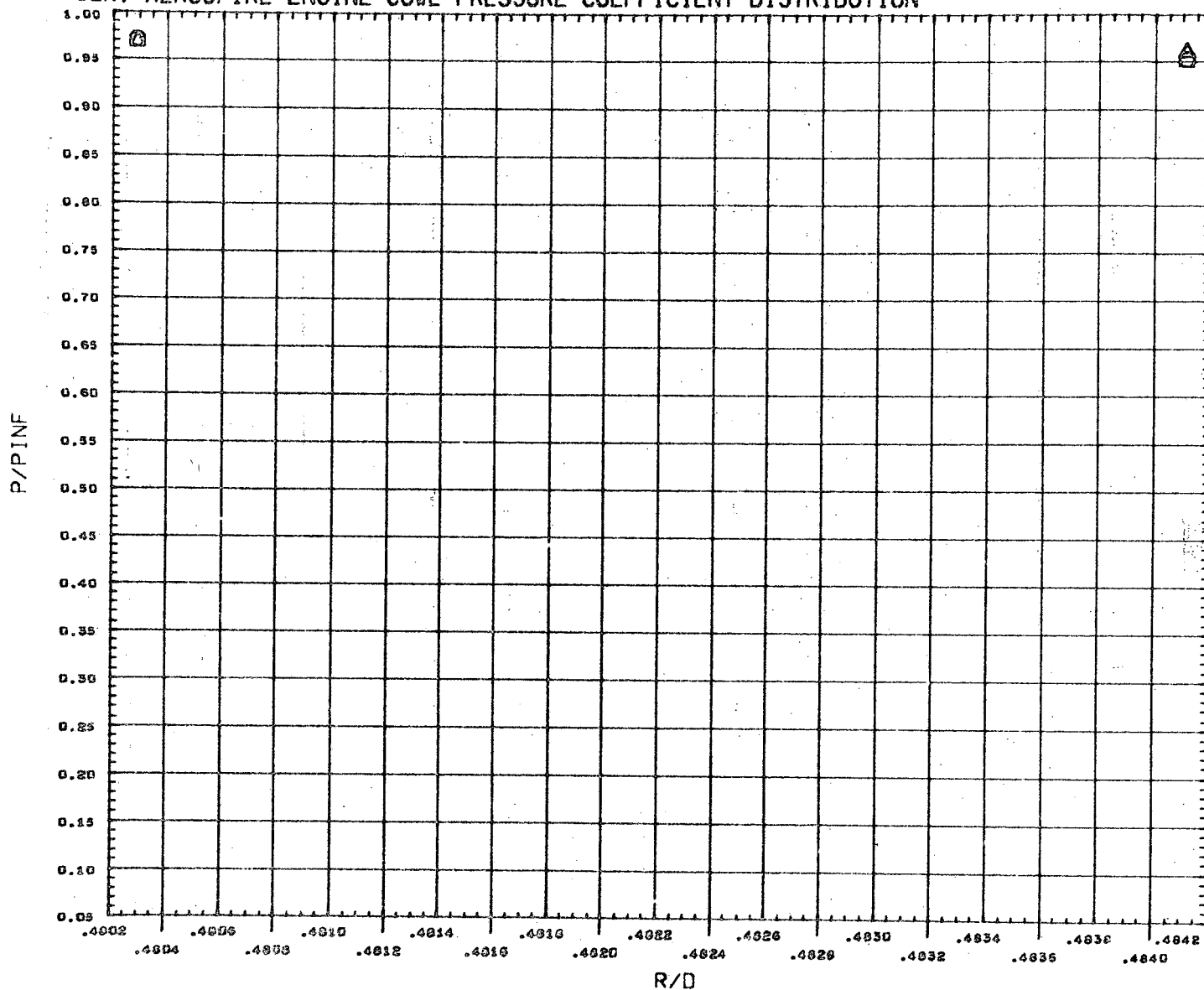
08788365.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COOL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	INETA	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES	
○	268.375	481.795	0.123	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	305.630			BREF	27.000	INCHES		404.679	WS/WFC 0.000
				XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

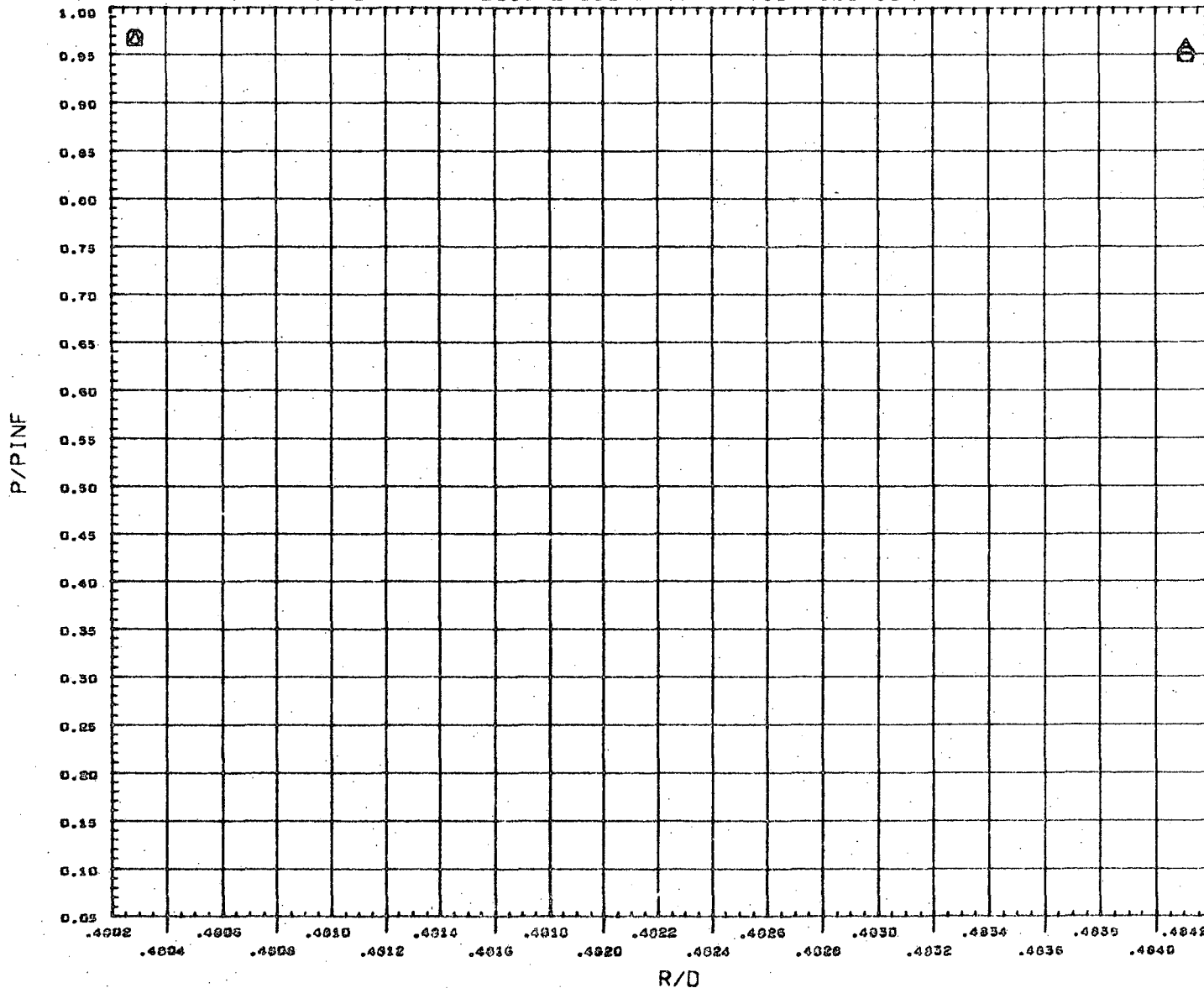
DATA: 0001.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	0.004	0.000
○	264.375	481.607	0.131	572.557	27.000	27.000	0.000	0.000	0.000	59.12	1.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	305.630																		

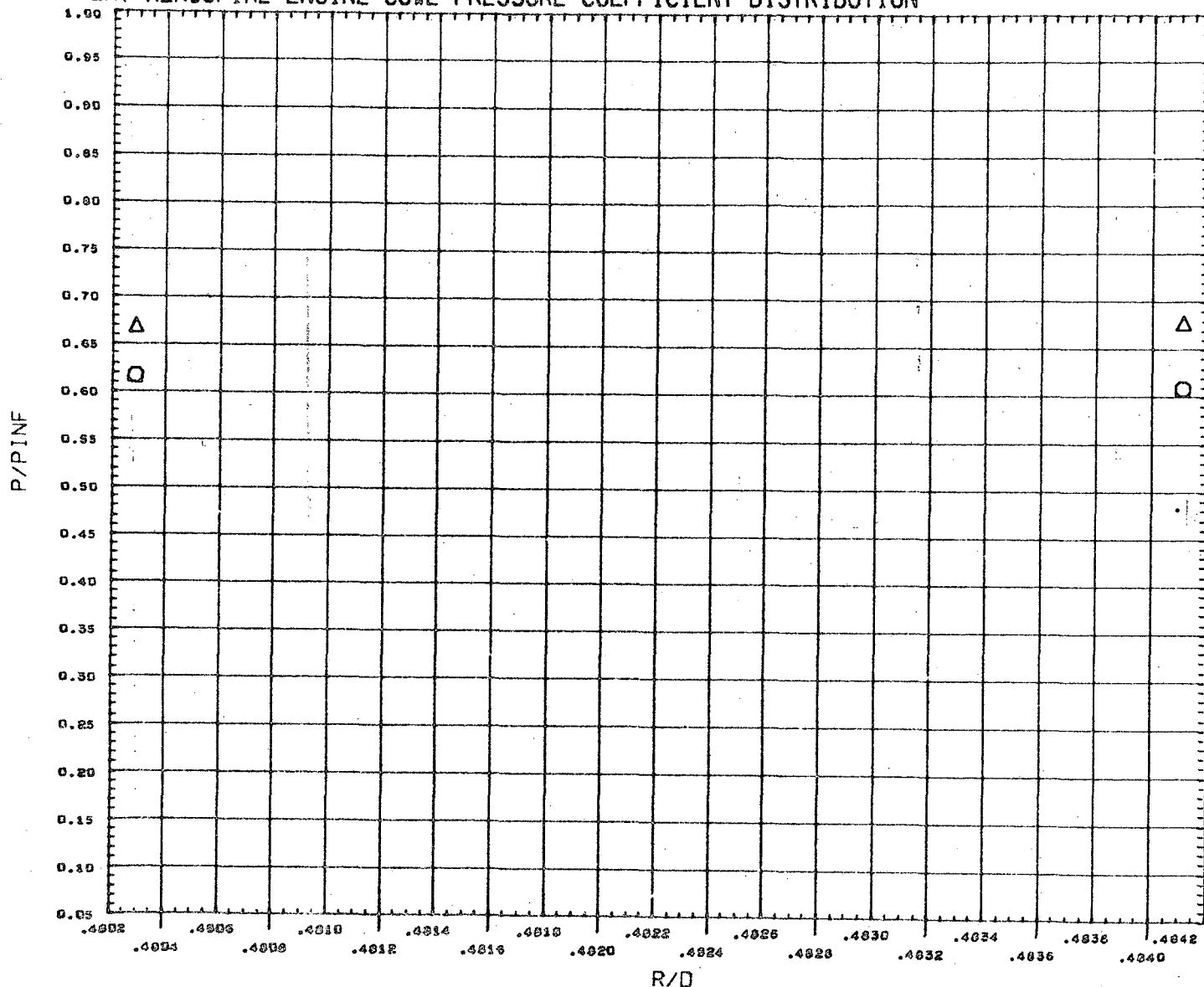
00788501.FCCOE CC08 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 254.375 201.705 0.600
 Δ 305.350

SREF 572.557 50.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

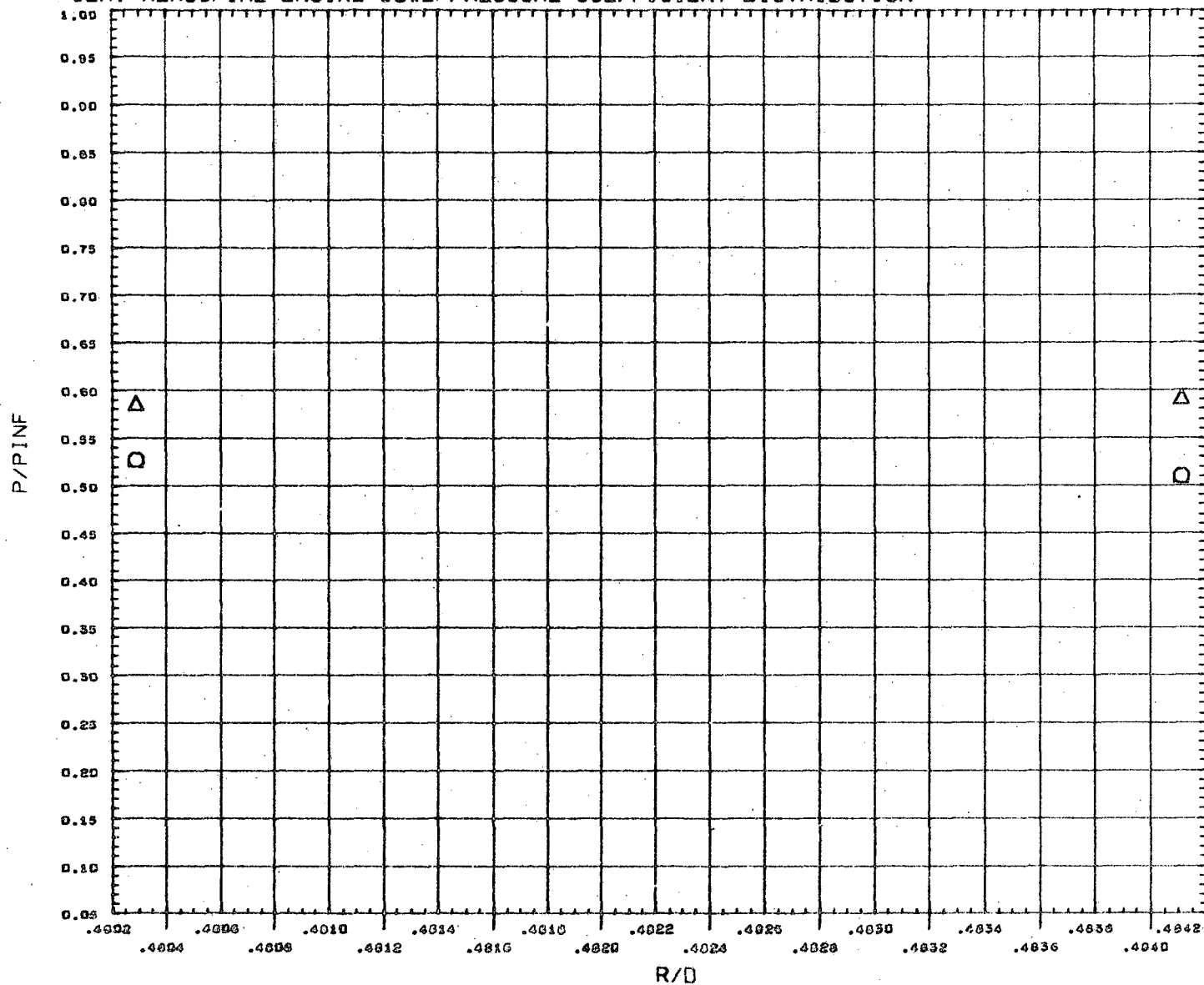
REFERENCE FIGURE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



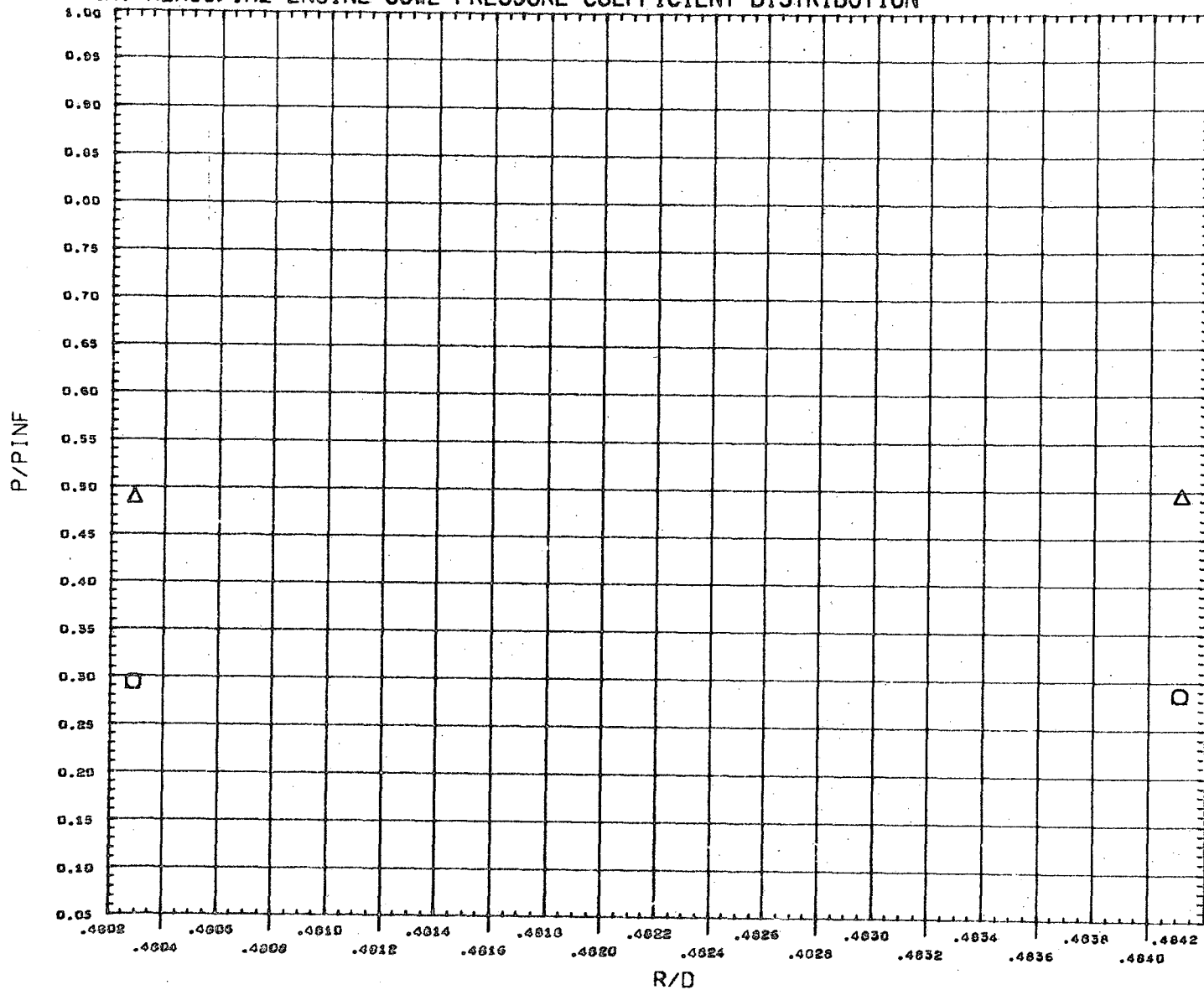
SYMBOL	THETA	PRATIO	MACH
O	264.375	401.290	0.598
Δ	305.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WPC
		0.000

DATA SOURCE: FIGURE CCSD TN-AP-70-449

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	264.375	578.883	0.598
△	305.630		

SREF	572.557	SQ.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.004
		0.000

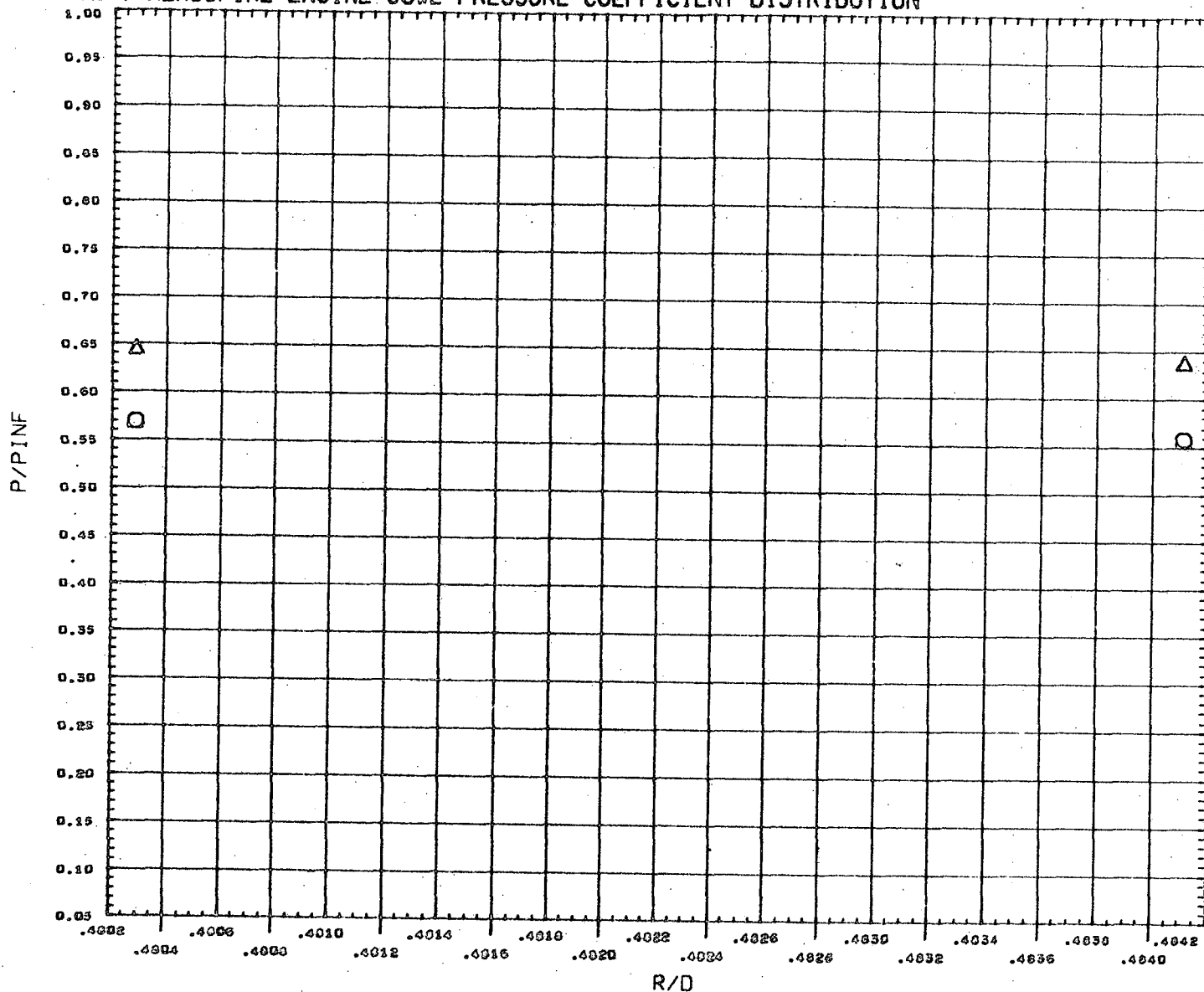
BSF0R888G.F008E CCSD TN-AP-70-049

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES	
	264.375	302.353	0.801	LREF	27.000	INCHES		0.000	ALPHA
	305.630			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

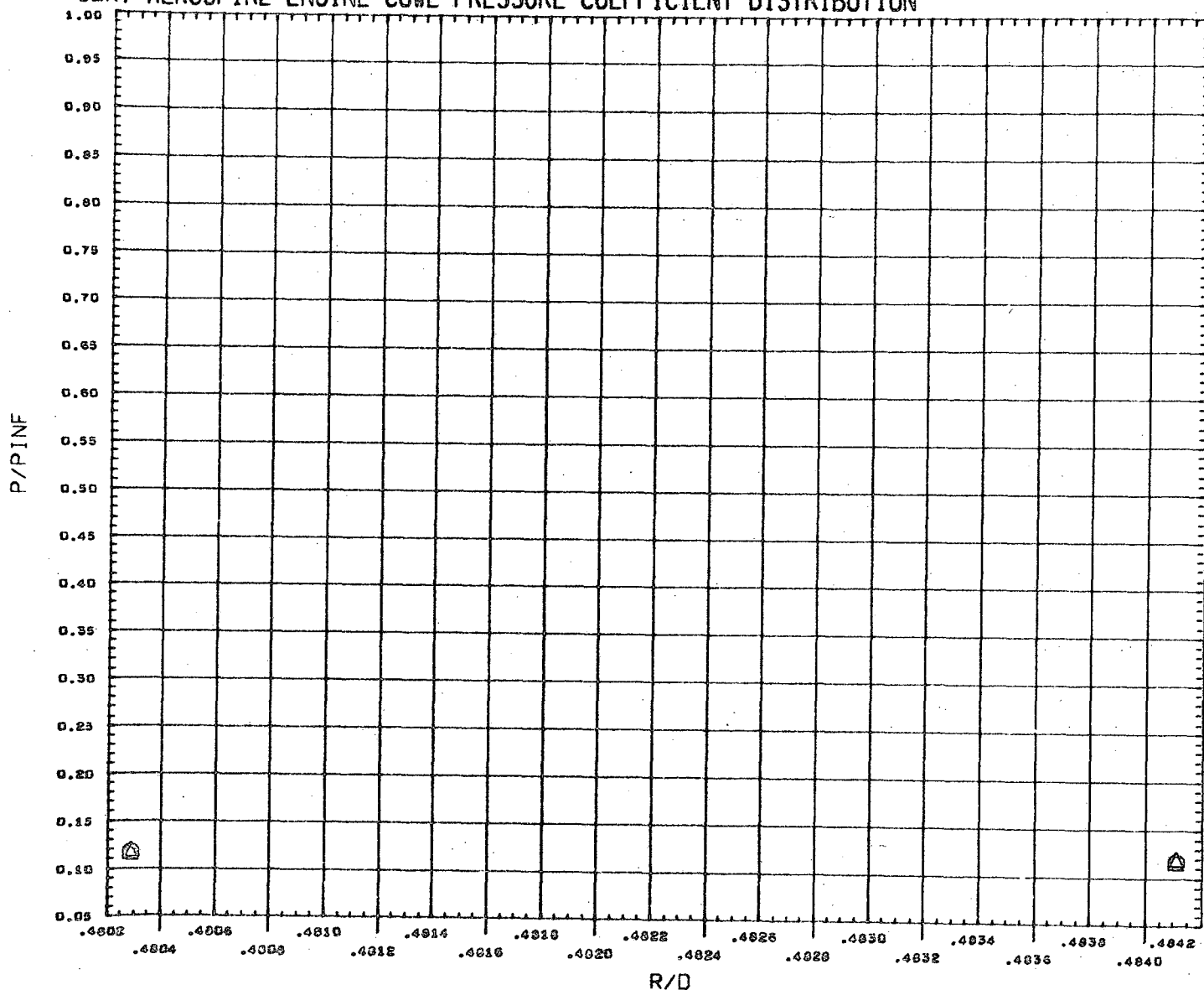
00000000.F660E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
△	264.375	400.087	0.798
△	305.630		

SREF	572.557	58. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.000

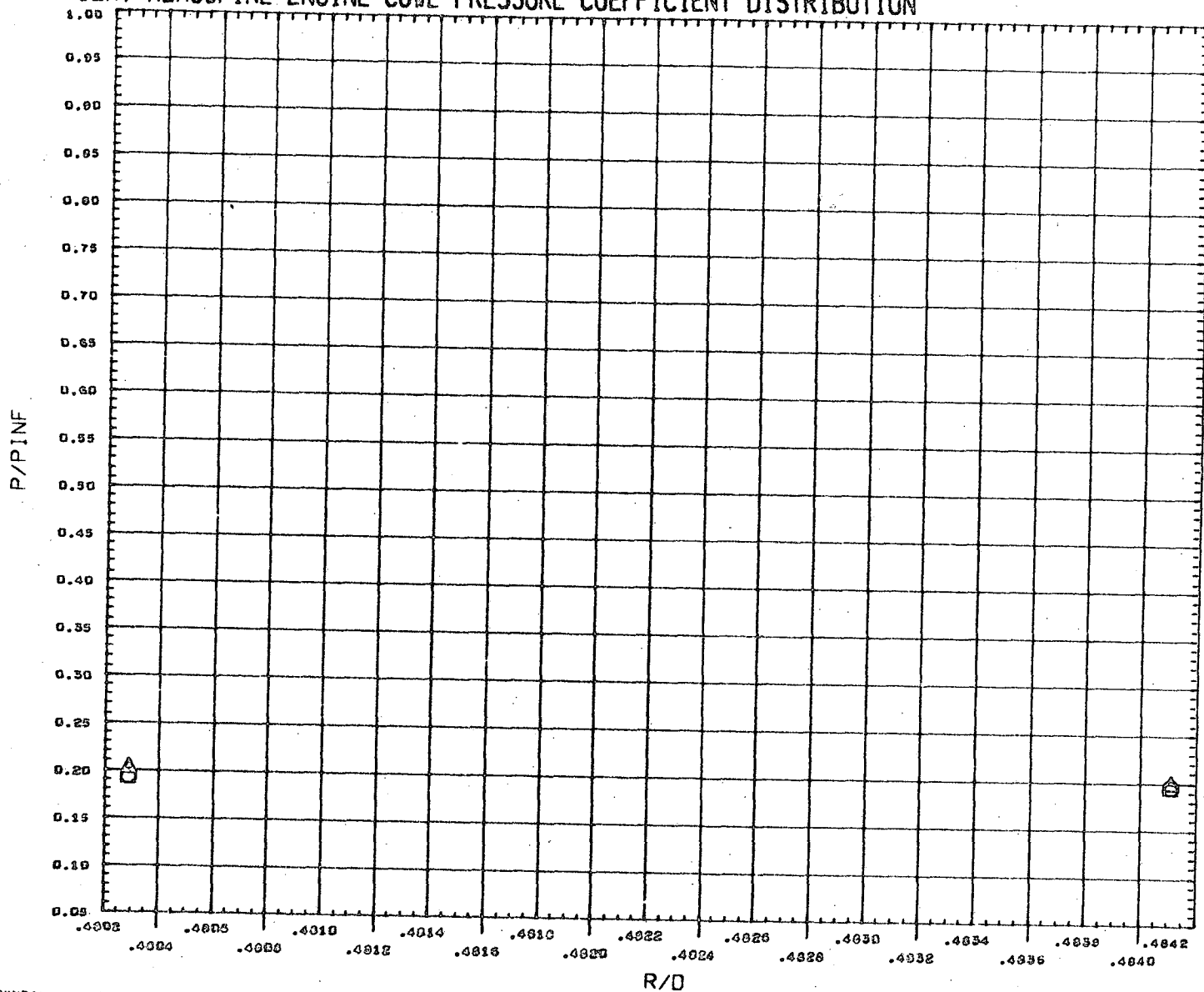
DATA SOURCE: FCCOE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	264.375	499.307	0.789
△	305.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	404.679	WS/WFC
		0.000

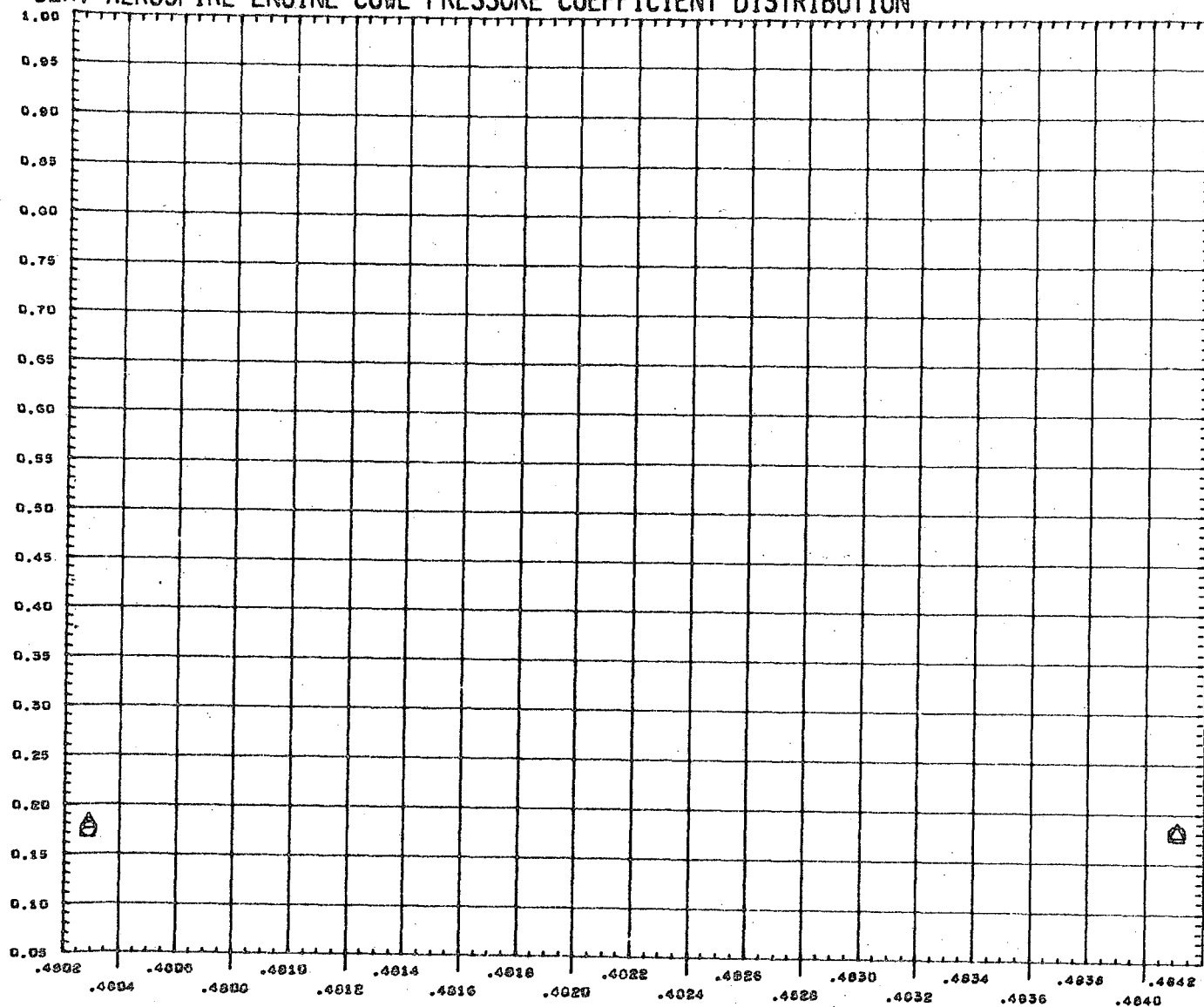
88788000.FE02E CCSD TN-AP-70-445


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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P/PINF



SYMBOL	THETA	FRATIO	MACH
	264.375	688.802	0.803
	305.630		

SREF	572.537	SQ. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

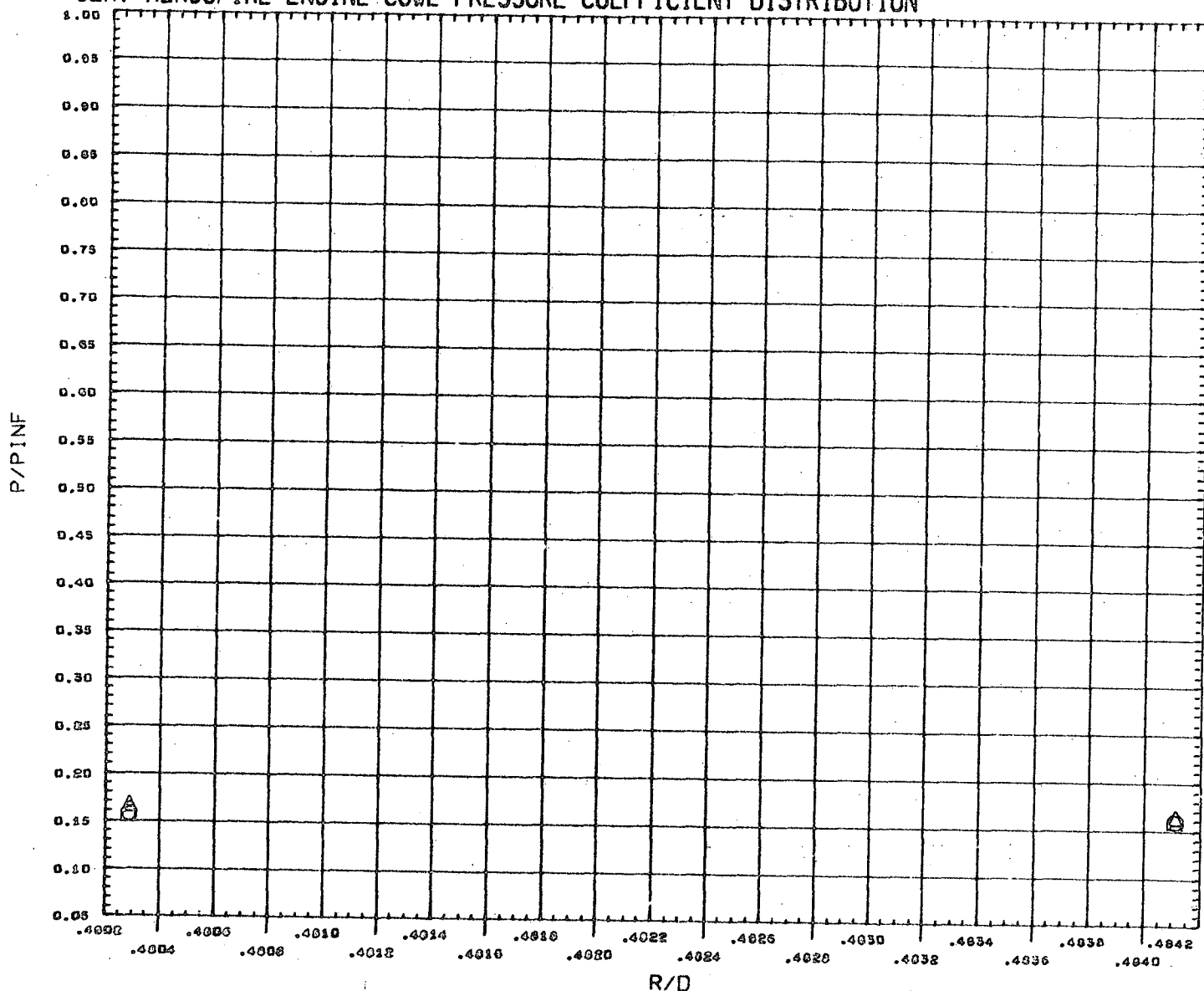
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

DAIRYHOUSE, FLORE CCOP TN-AP-70-443

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
△	264.375	306.157	0.905
△	305.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XREF	0.000	DIAMTR
YREF	0.000	DIAMTR
ZREF	0.000	DIAMTR

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

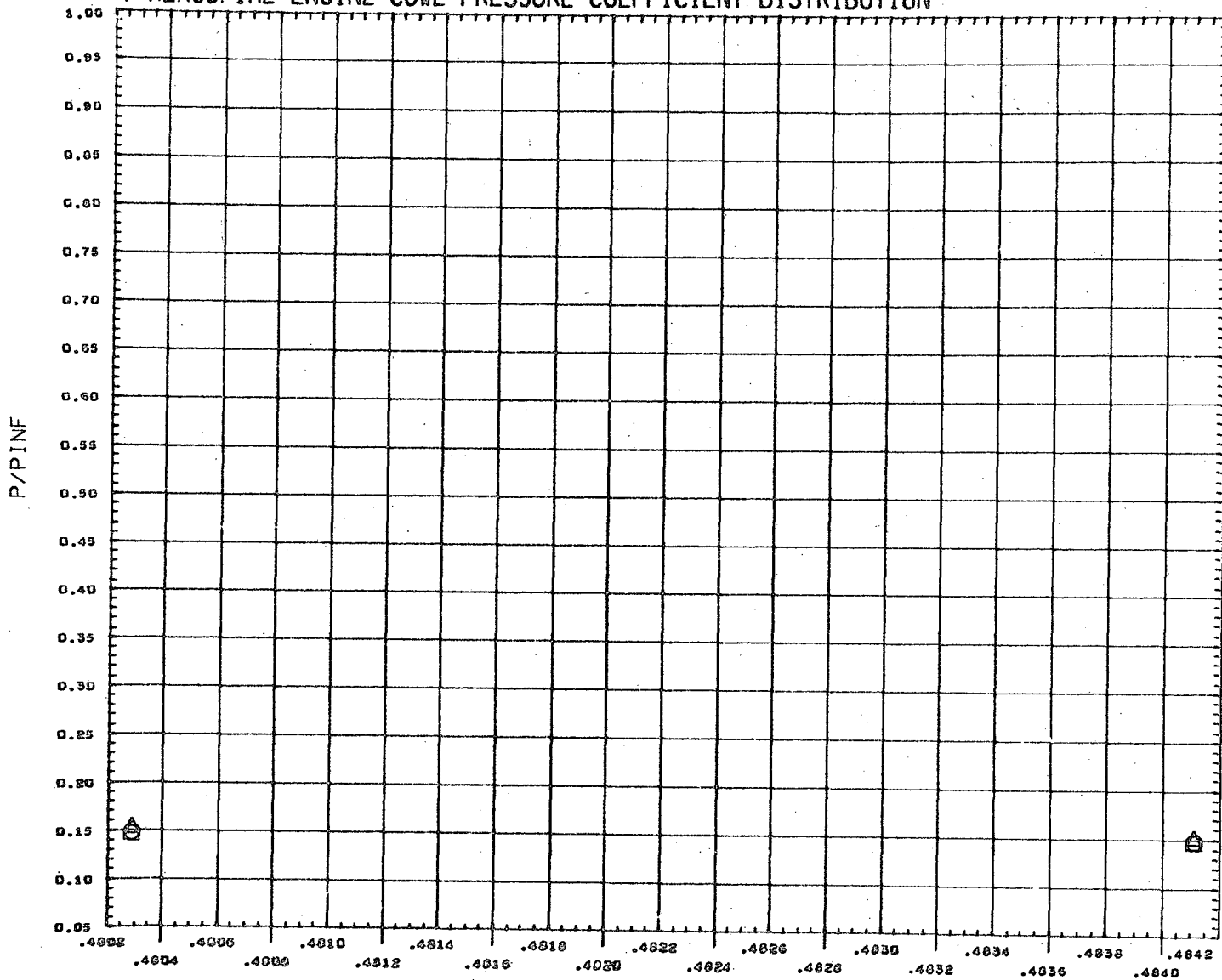
BS00RB060.FEC2E CC80 TM-AP-70-449


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 264.375 399.767 0.900
 305.650

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
OREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

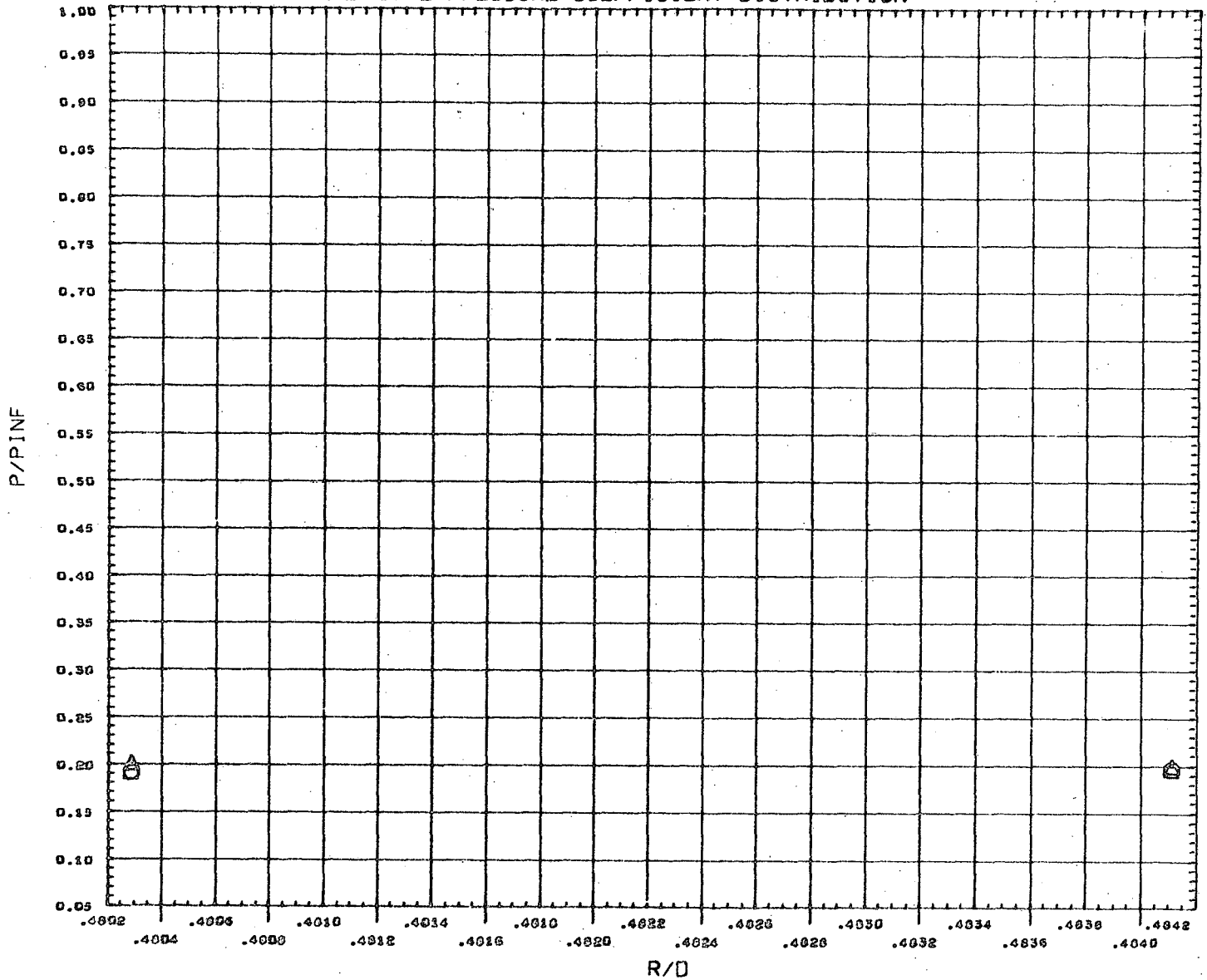
00000000.FE00E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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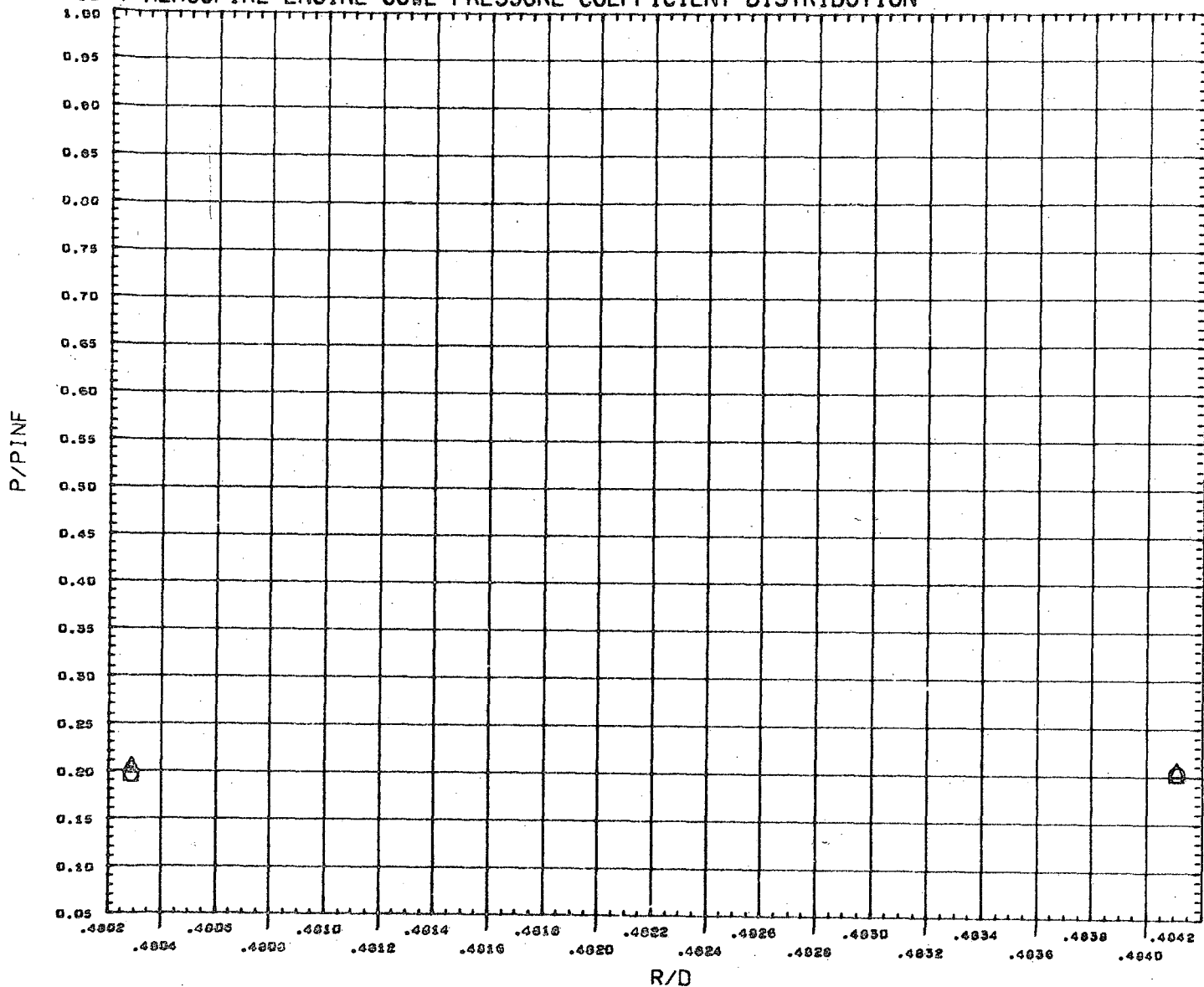
SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	264.375	600.200	0.895	SREF	572.557	58. IN.	E/DOGR	0.000	ALPHA	0.004
△	305.630			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

8870R8968.FE08E CCS9 TN-AP-70-445

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
△ 264.375 812.557 0.902
△ 305.630

SREF 572.557 50.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

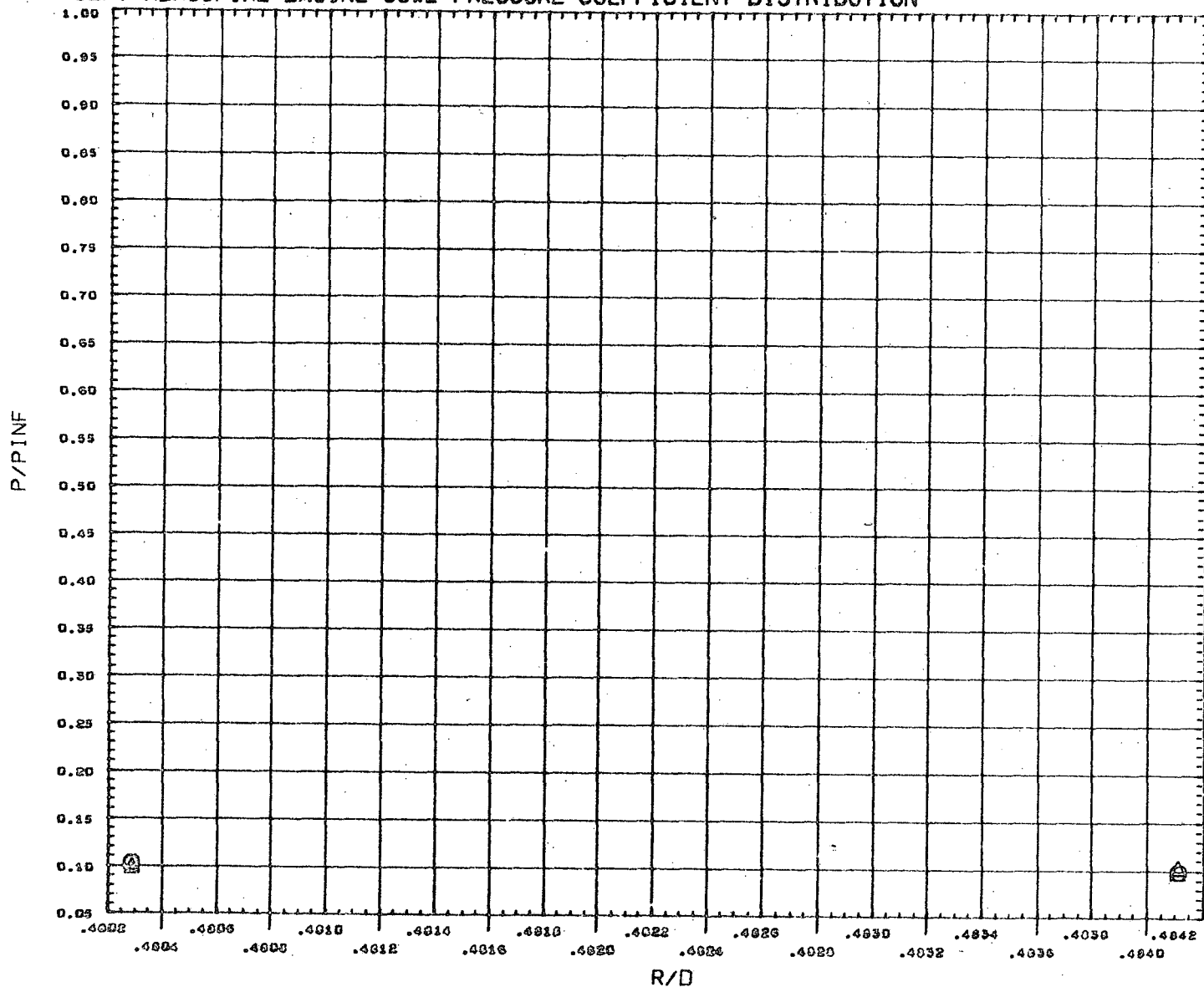
DETERMINATION CODE CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	253.375	395.993	1.100
△	309.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.000

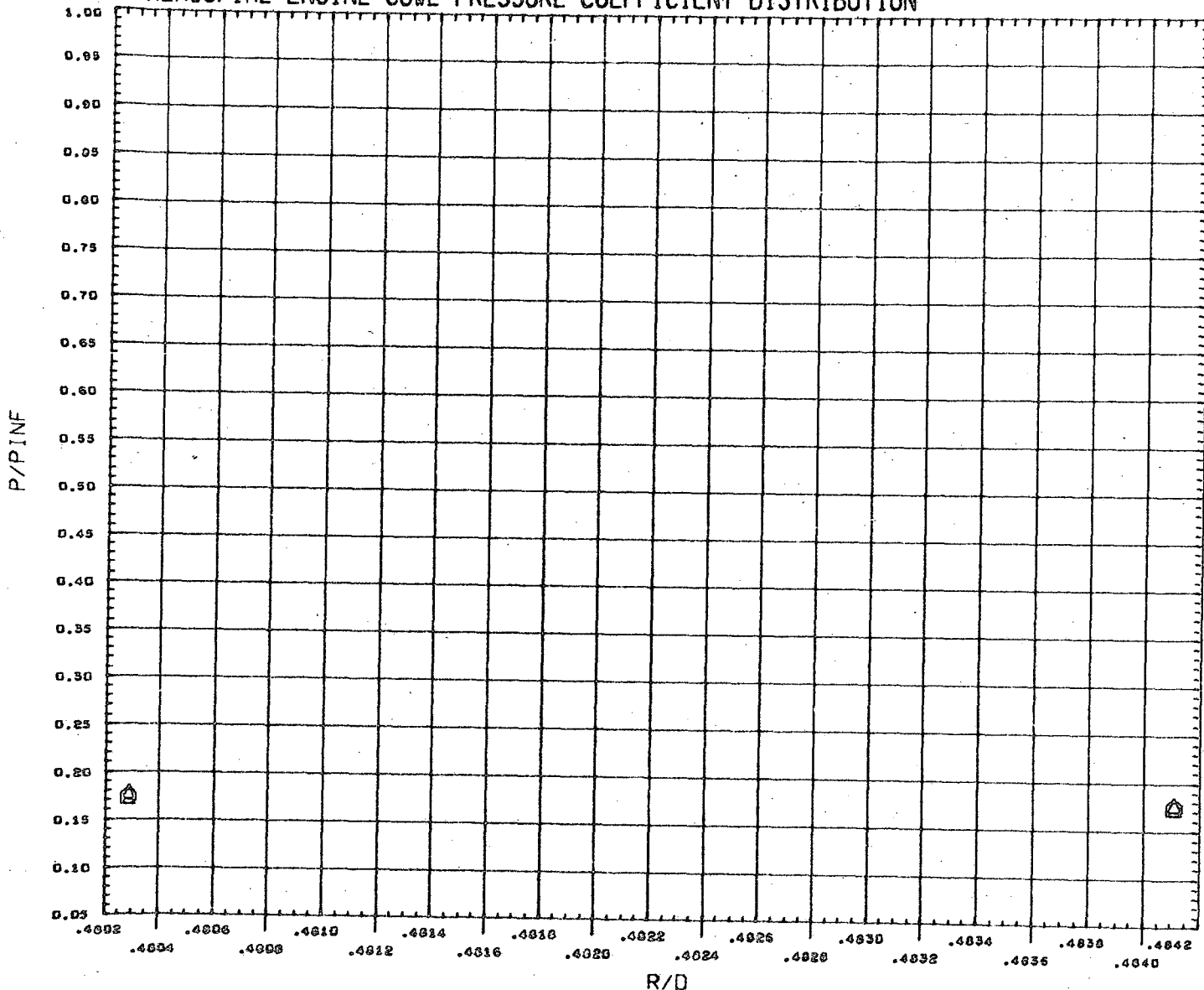
DATA SOURCE: FLOE CCSD TN-AP-78-448


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 264.375 491.300 1.101
 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALFNA 0.004
 PC 404.679 WS/WFC 0.000

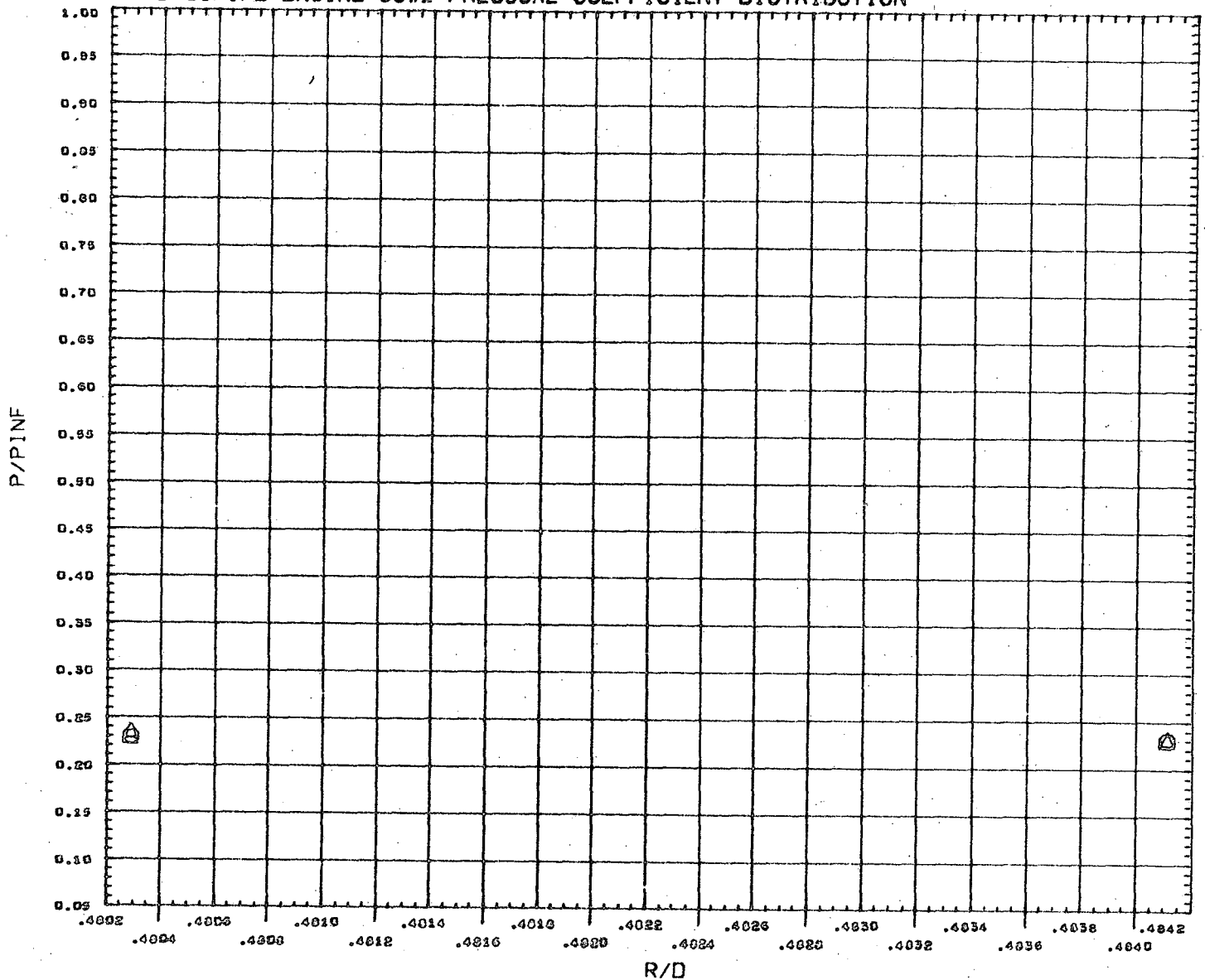
DATASOURCE: FCLSE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 599.127 1.089
 A 305.635

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

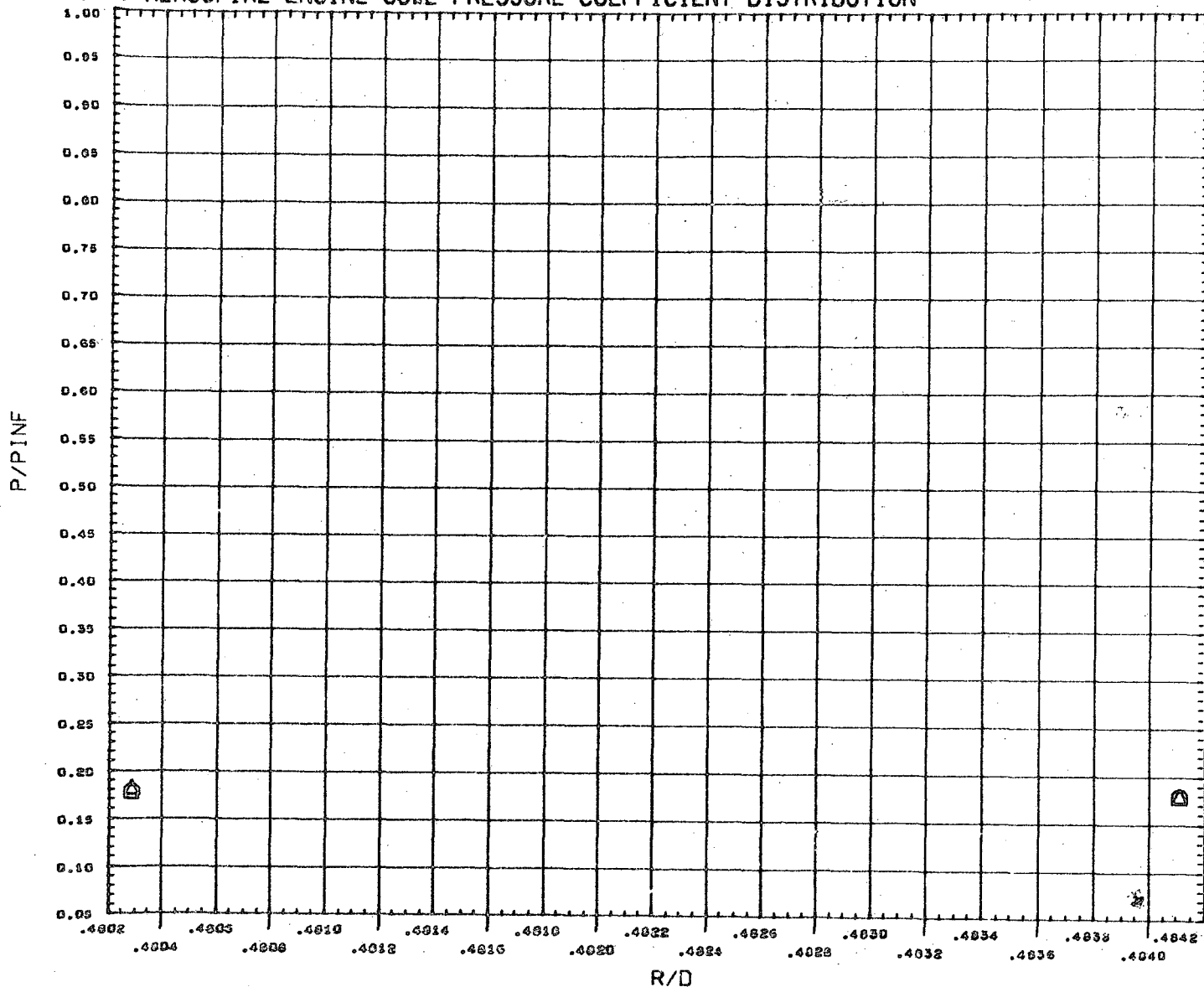
DATA SOURCE: FC00E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
Q	264.375	406.123	1.254
	305.630		

SREF	572.557	50.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	404.679	WS/WPC
		0.000

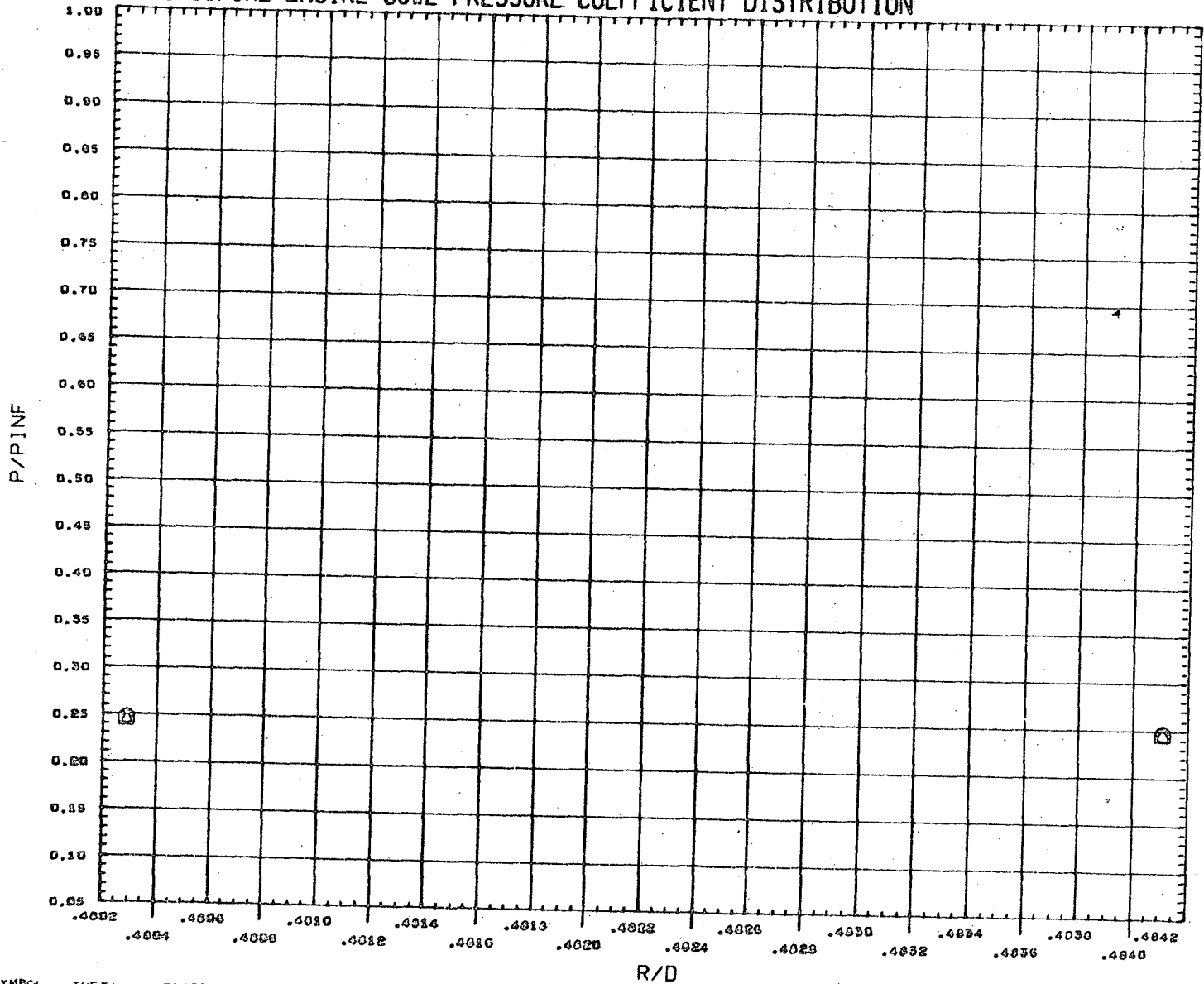
DB73R0006.F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Δ 264.375 751.932 1.261
 305.630

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

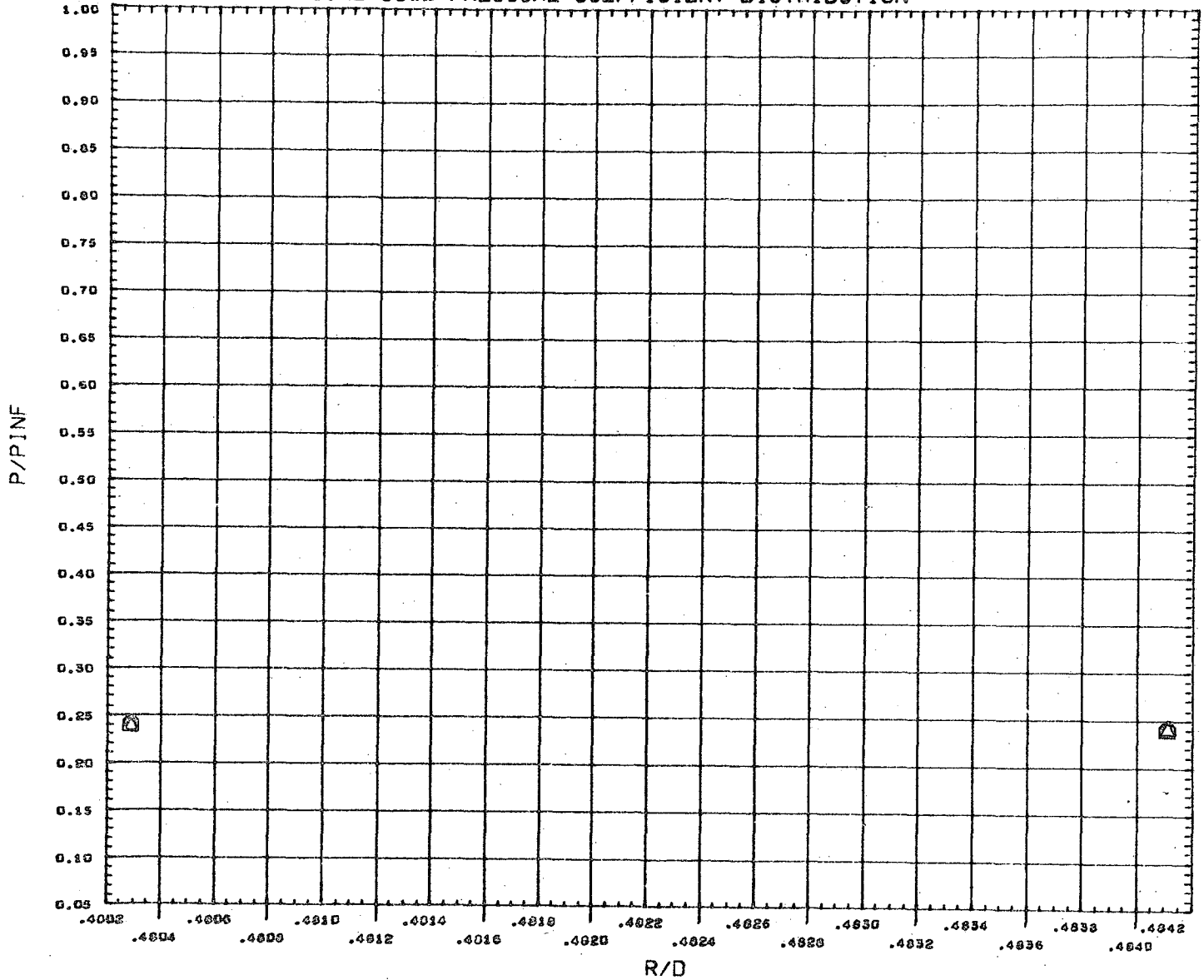
DATA00000.FE000 CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
Q	264.375	831.960	1.248
A	305.630		

SREF	572.557	58.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WFC
		0.000

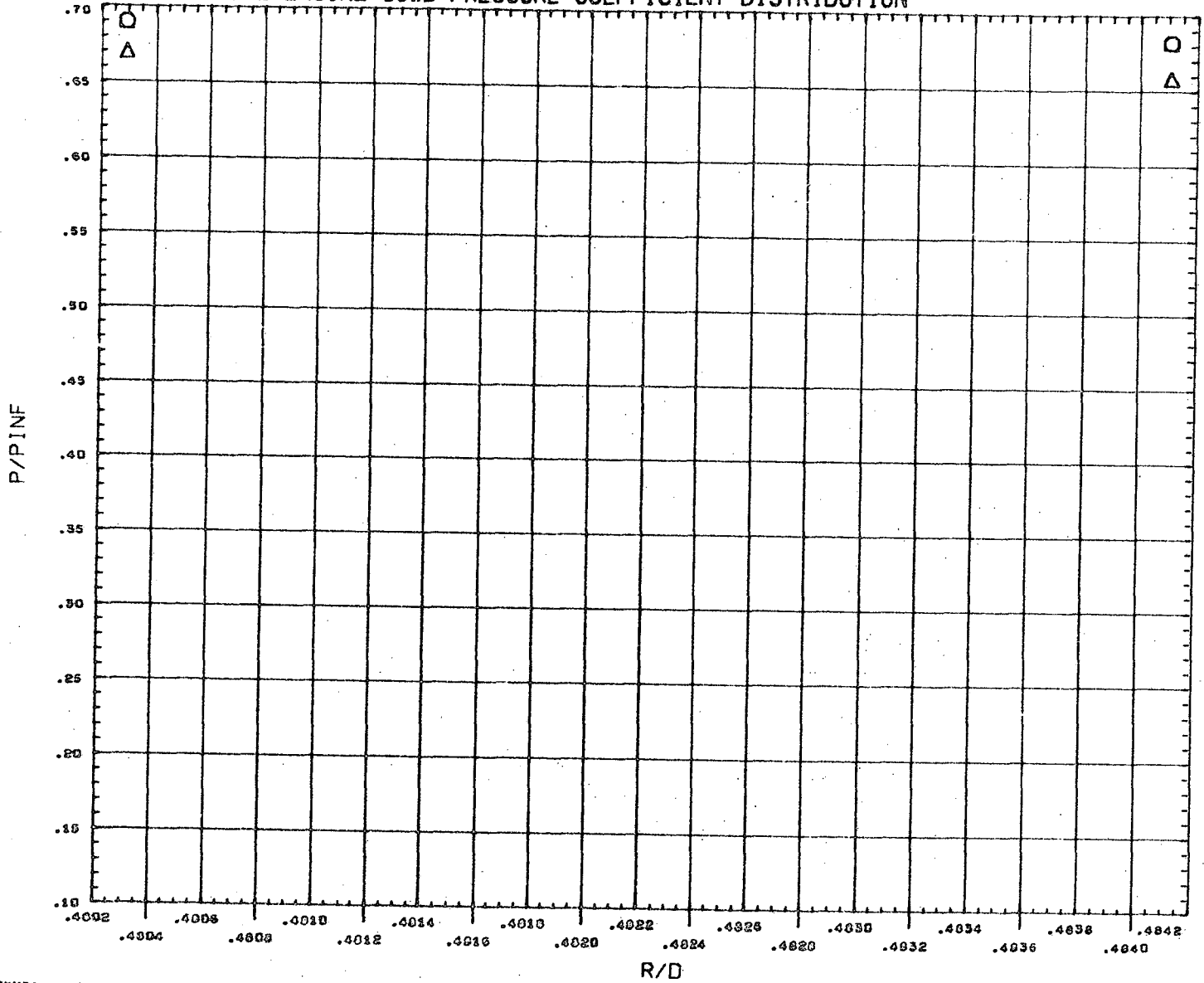
0078R0366.F008E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 Δ 264.375 202.083 0.599
 \square 305.630

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

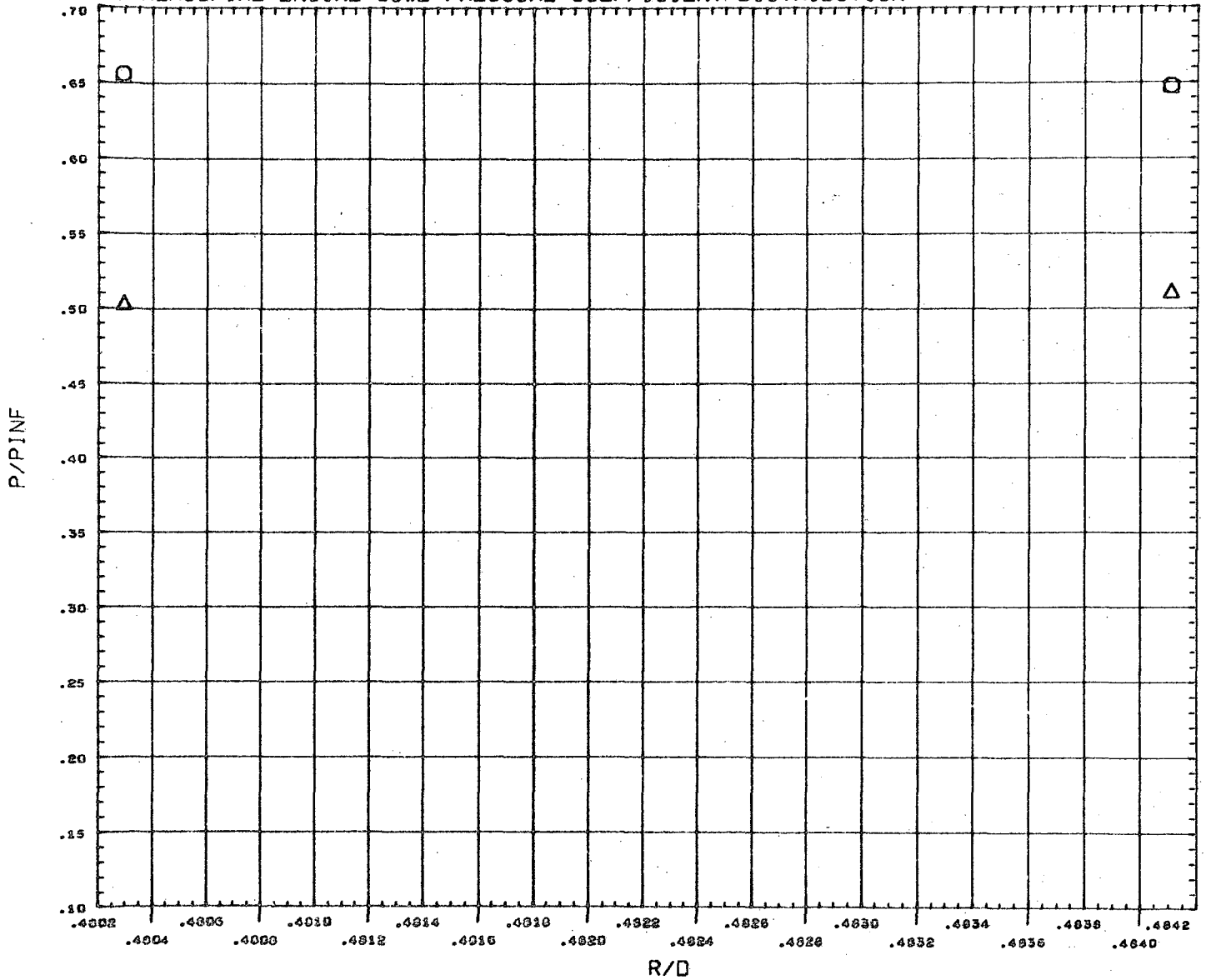
00000000.FCCSE CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES						
○	264.375	299.500	0.801	SREF	572.557	58. IN.	E/DOOR	0.000	ALPHA	8.022
△	305.630			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

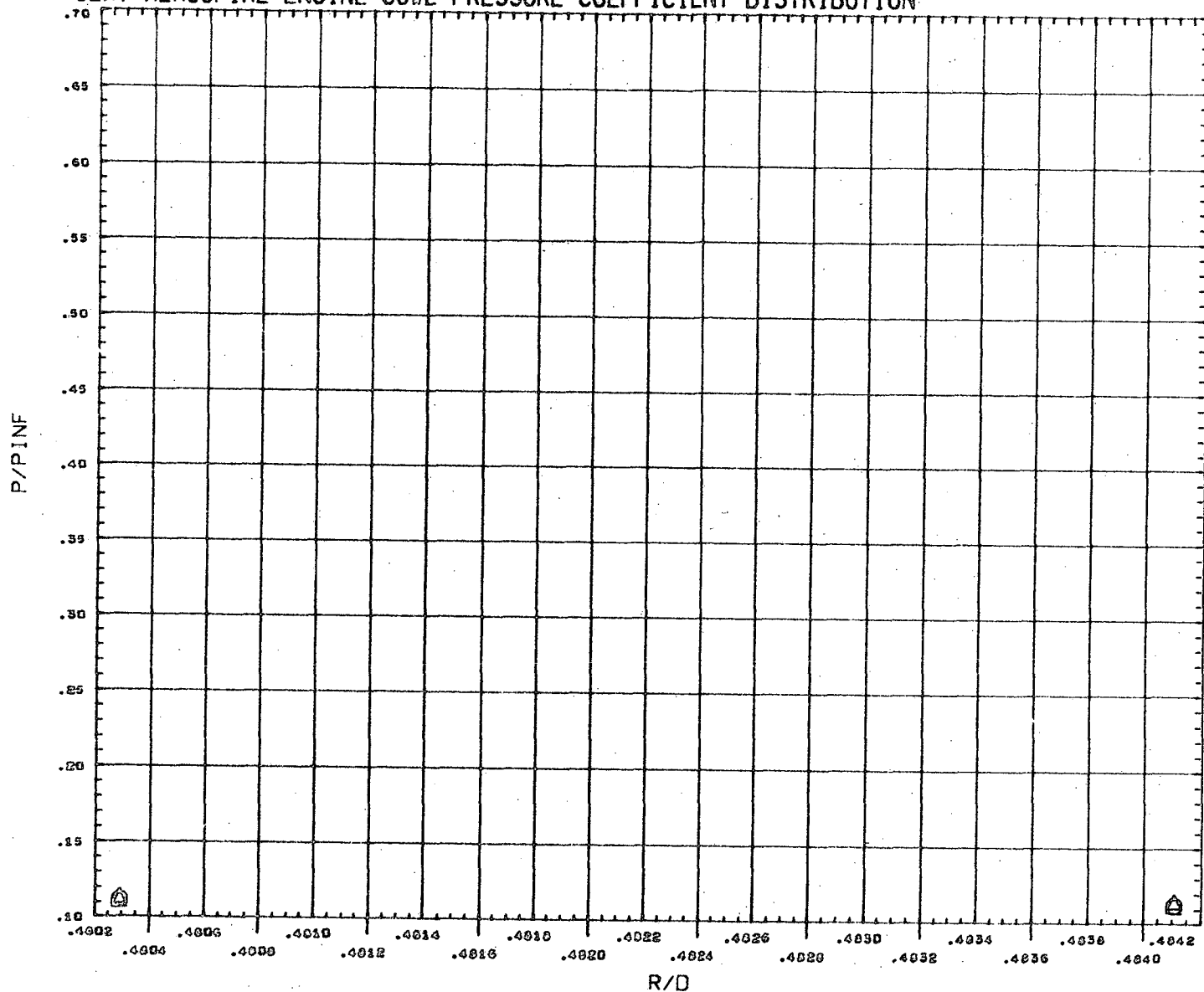
00780000.FE00E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 264.375 398.487 0.899
 A 395.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

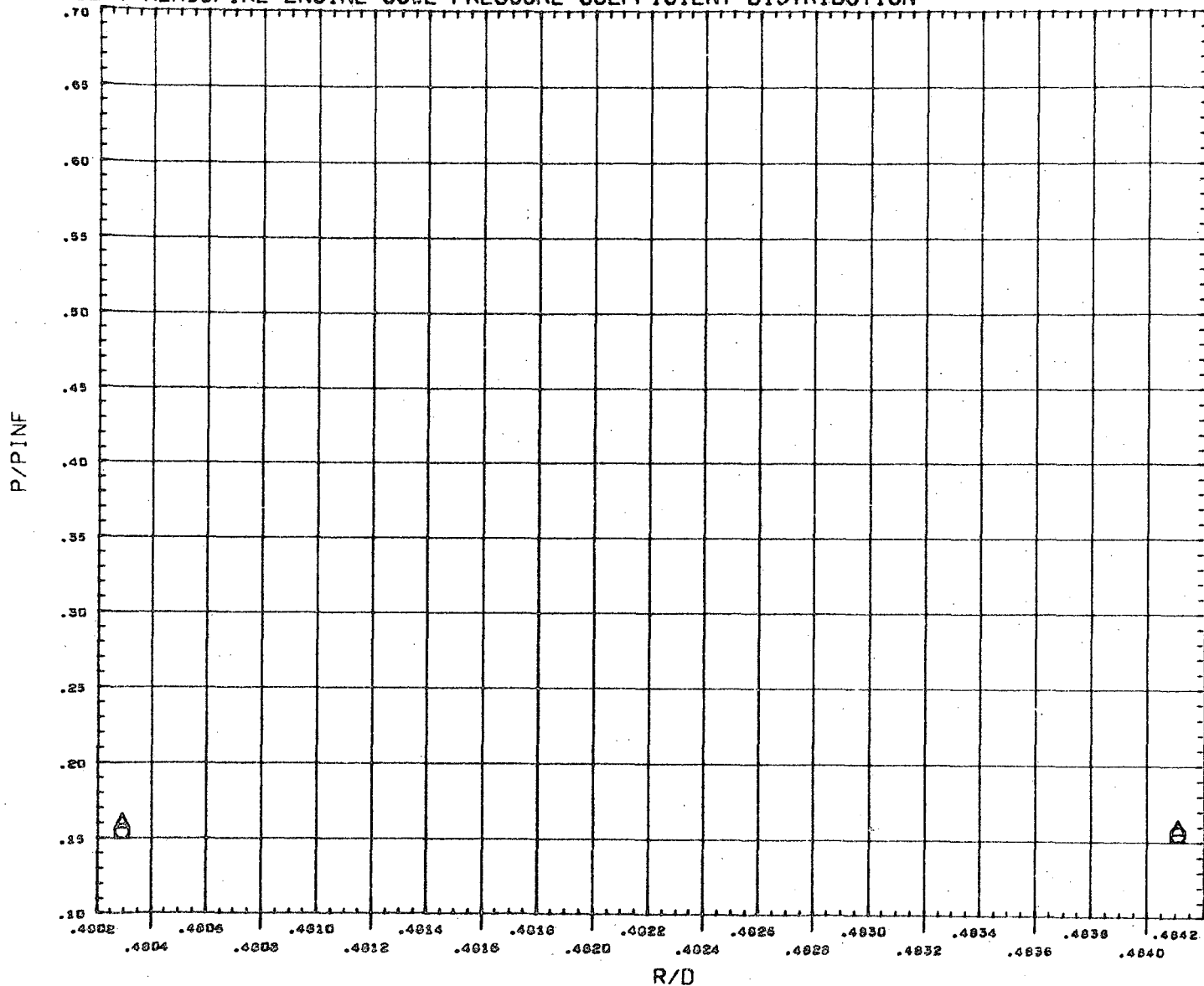
B570R8008.FCCSE CC89 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 264.375 402.407 1.100
 A 305.630

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRF 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

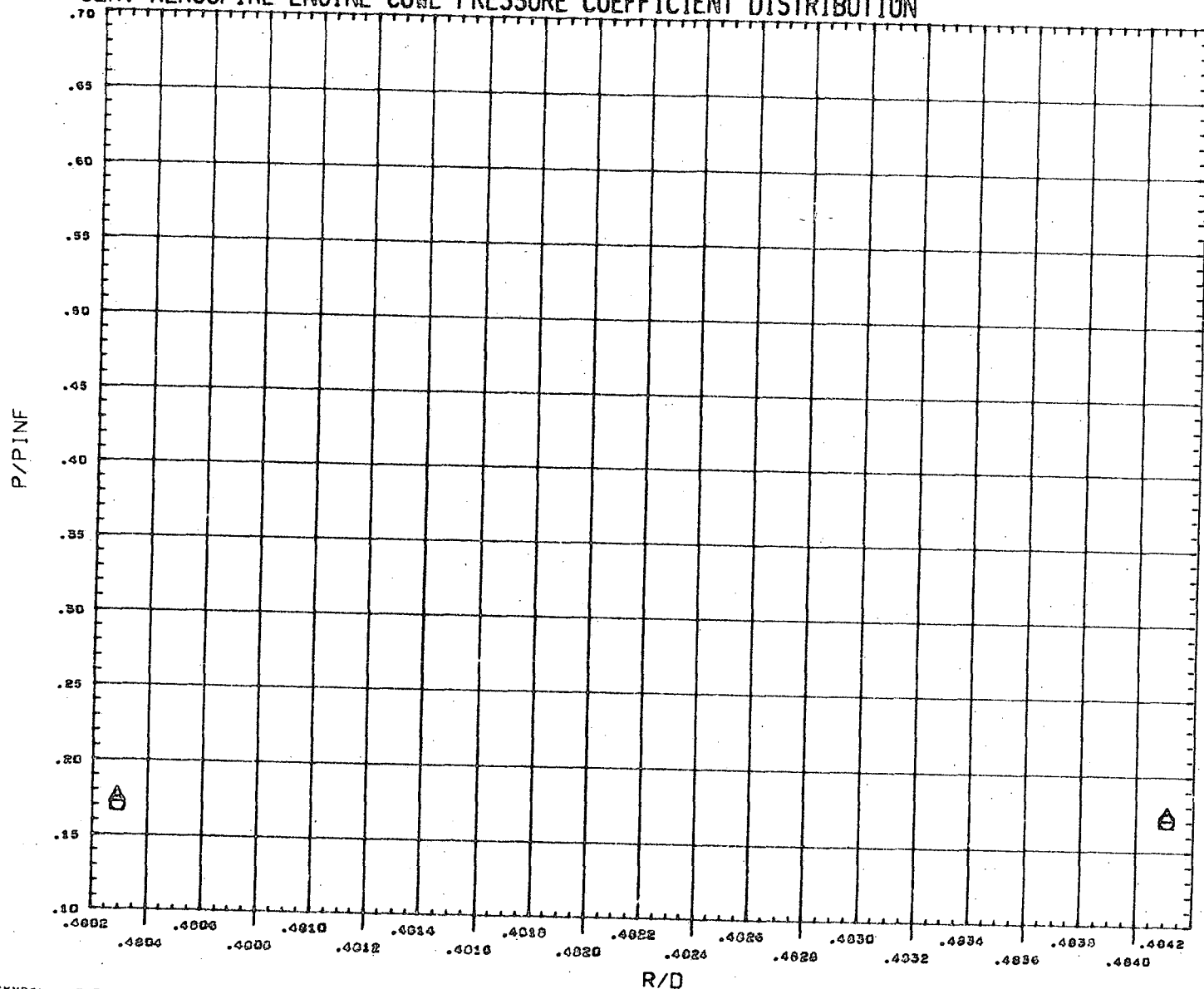
0075R0006.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
○	264.375	400.737	1.253
△	305.630		

SREF	572.557	58. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	402.996	WS/WFC
		8.022
		0.000

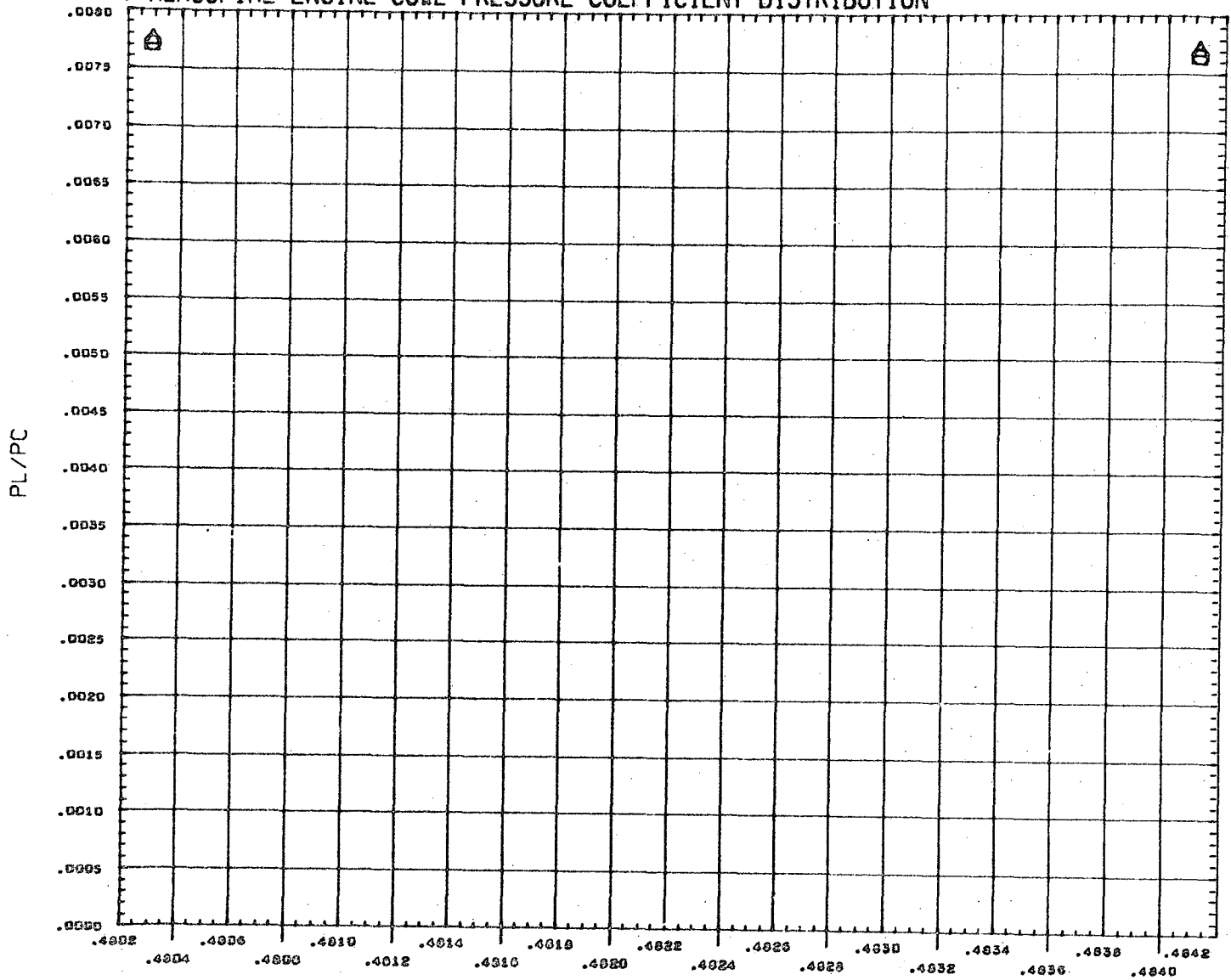
08788000.F002E CCCO TM-AP-70-448


AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(BT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 264.375 125.800 0.086
 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

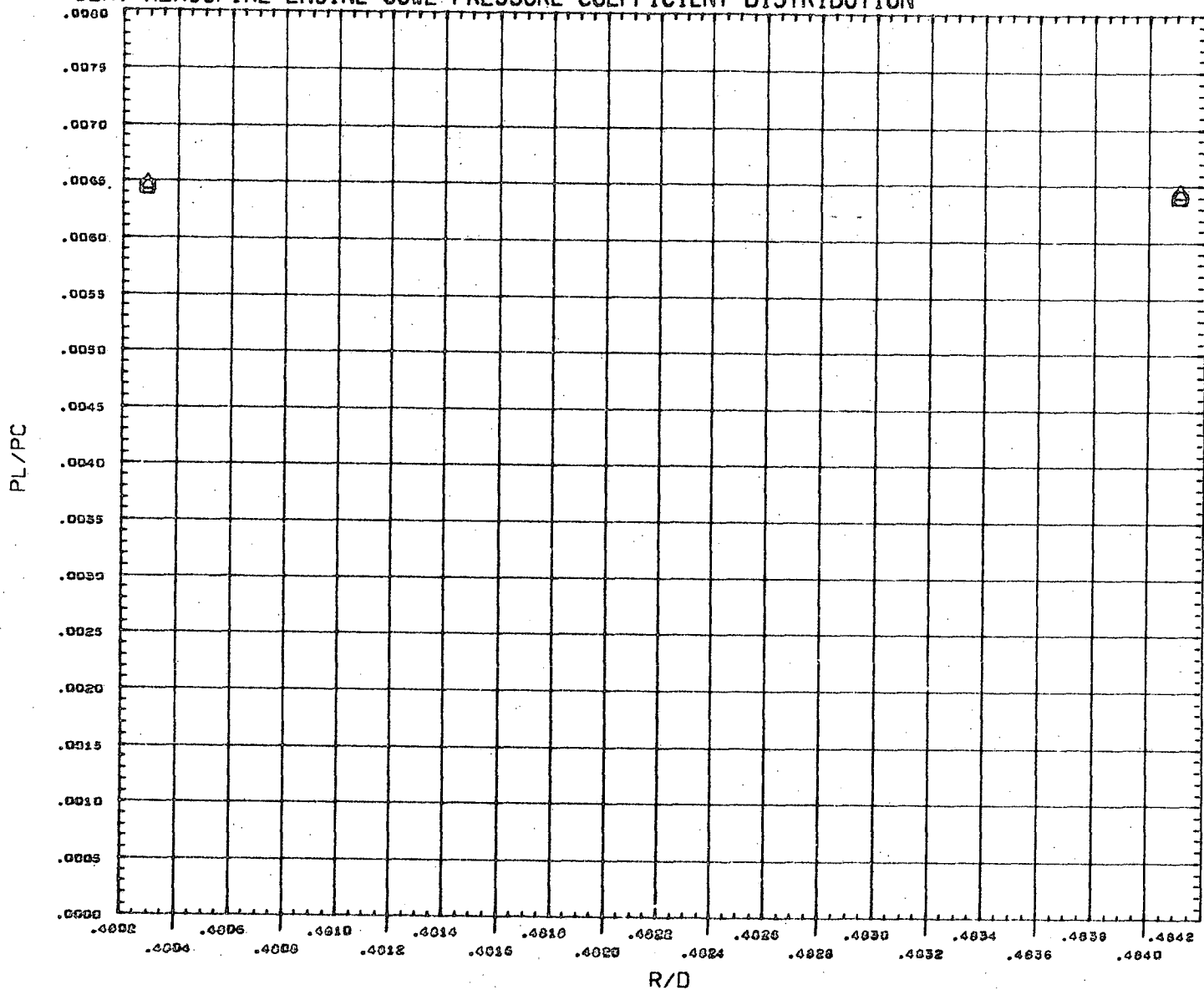
88888888.FECS CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 151.003 0.099
 A 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

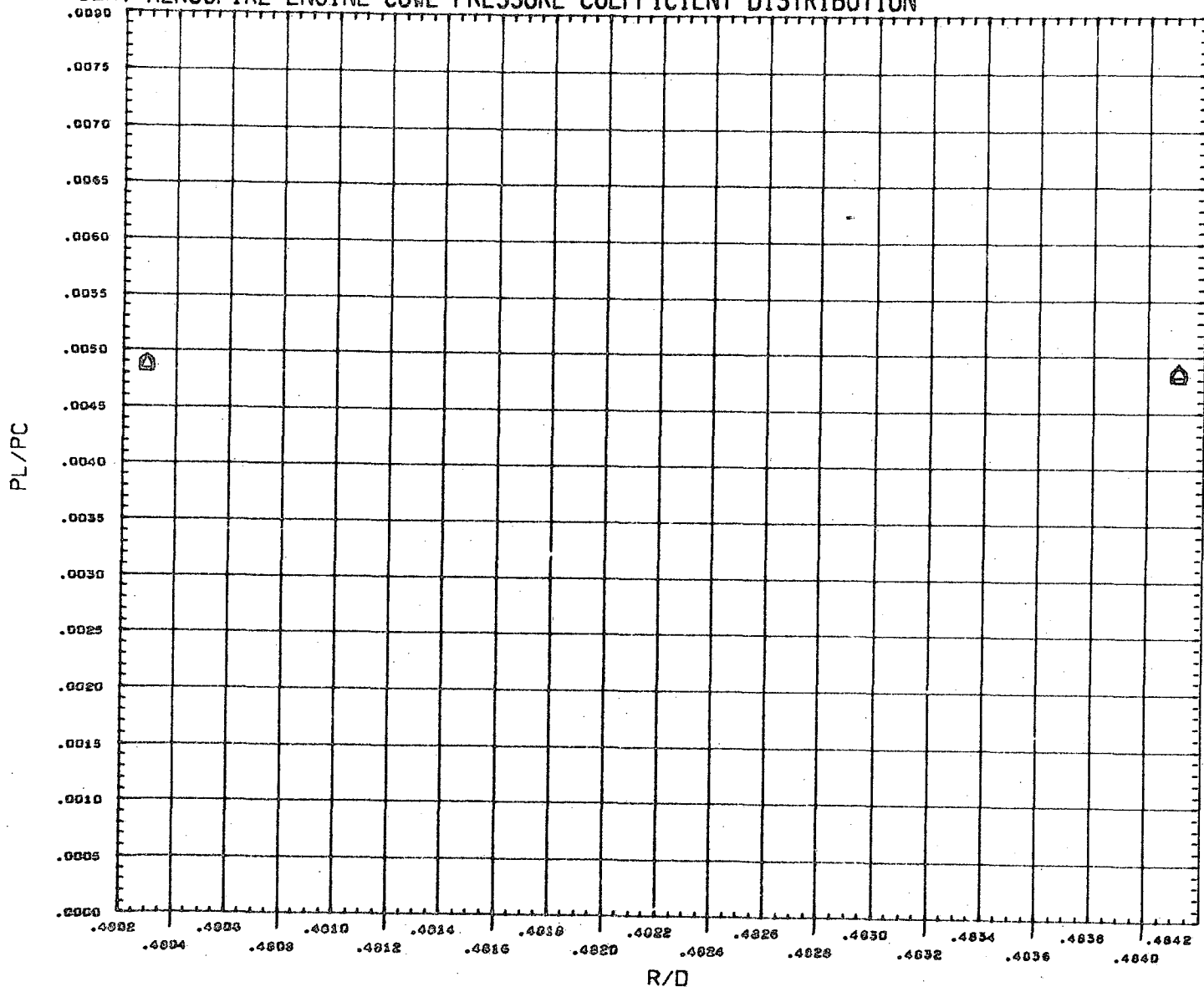
00000000.F000E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
△	264.375	200.173	0.086
△	305.630		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	404.679	WS/WFC
		0.004
		0.000

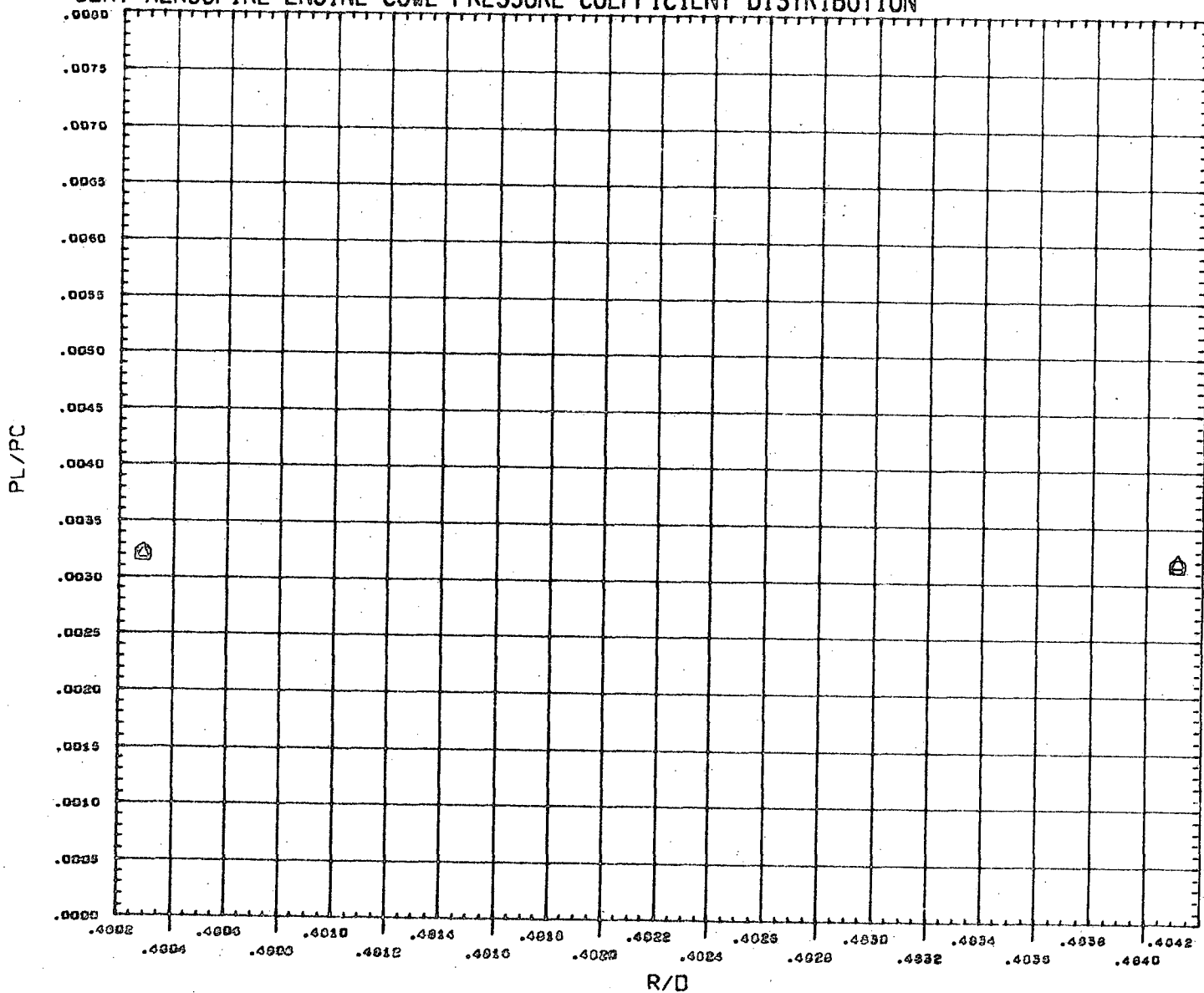
DATA SOURCE: F003E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58. IN.	PARAMETRIC VALUES	
⊗	264.375	304.463	0.074	LREF	27.000	INCHES	E/DOOR	0.000
	305.630			BREF	27.000	INCHES	PC	404.679
				XNRP	0.000	DIAMTR	WS/WPC	0.000
				YNRP	0.000	DIAMTR		
				ZNRP	0.000	DIAMTR		

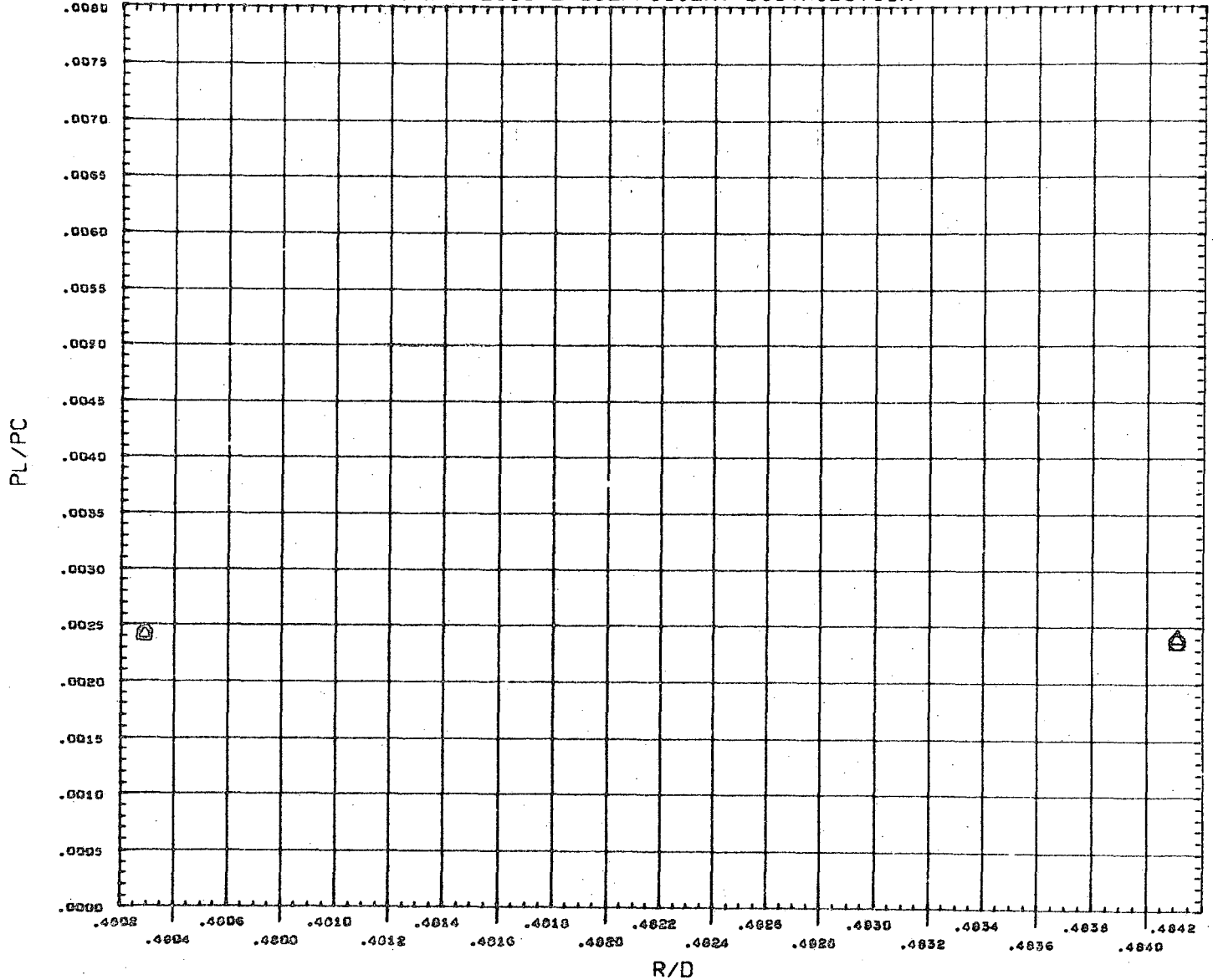
00708006.F006E CCSD TM-AP-70-445



AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH				PARAMETRIC VALUES			
	264.375	401.790	0.123	SREF	572.557	50.IN.	E/DOOR	0.000	ALPHA	0.004
	305.630			LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

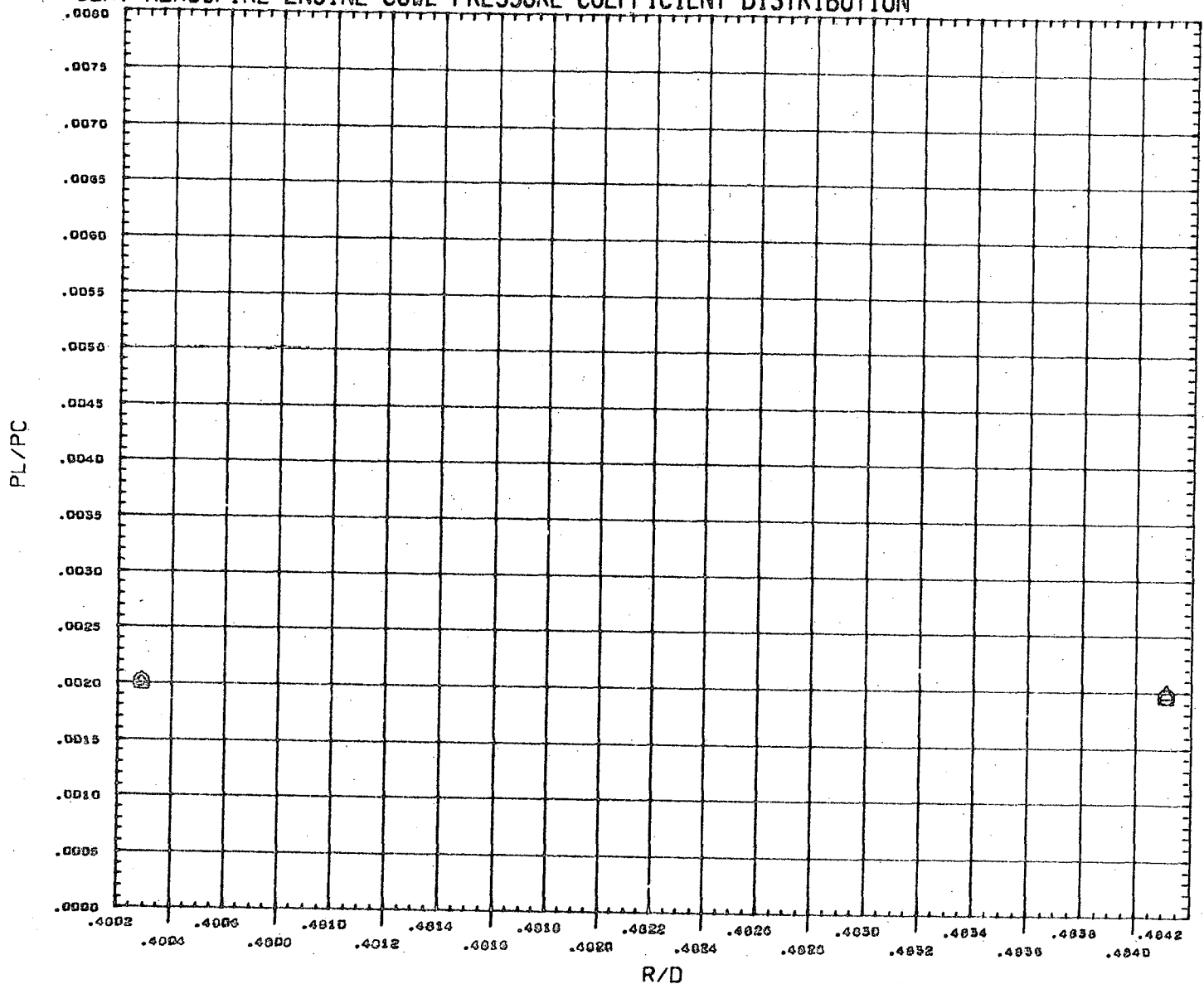
DB78R0063.FC00E CC00 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL: THETA PRATIO MACH
 Q 264.375 481.657 0.131
 A 305.630

SREF 572.557 58.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

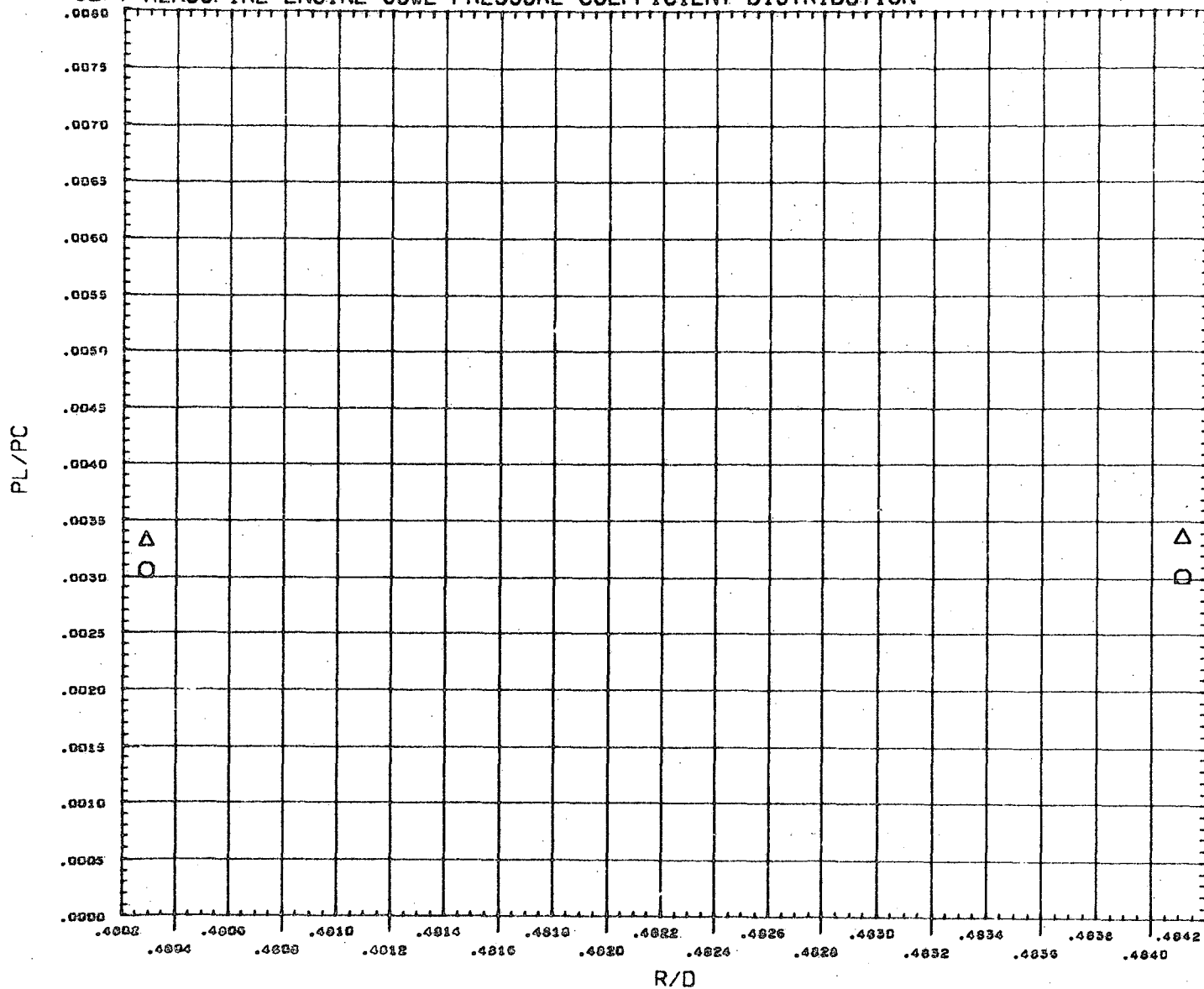
00000000.F000E CCSD TN-AP-70-645

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
O	264.375	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	50. IN.	0.000	404.679	0.004	0.000
Δ	305.630									INCHES				
										DIAMTR				
										DIAMTR				

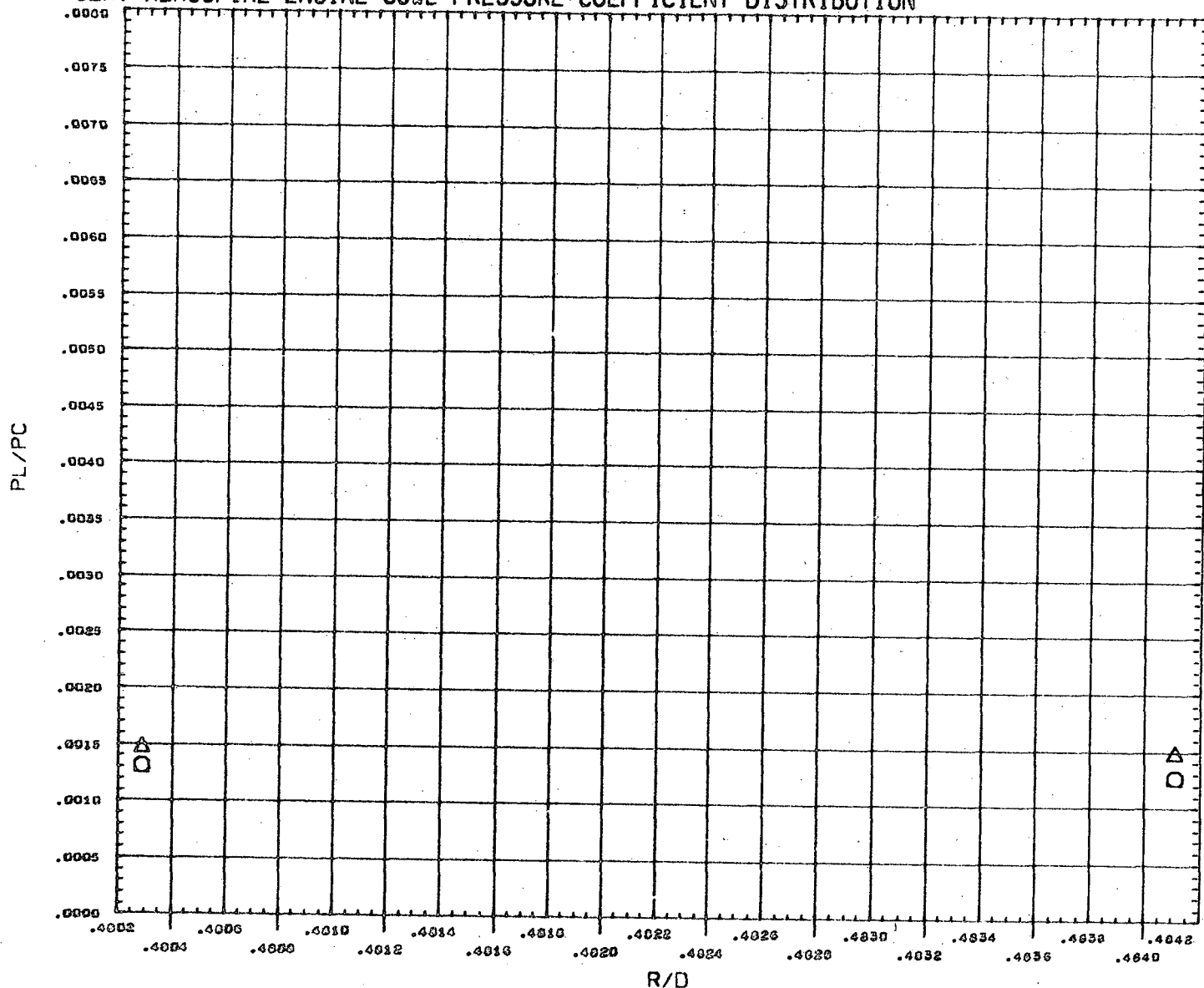
DATA BASE FILE CCSD TN-AP-7D-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH
△	264.375	401.290	0.598
○	303.630		

SREF	572.557	58. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	404.679	WS/WFC
		0.000

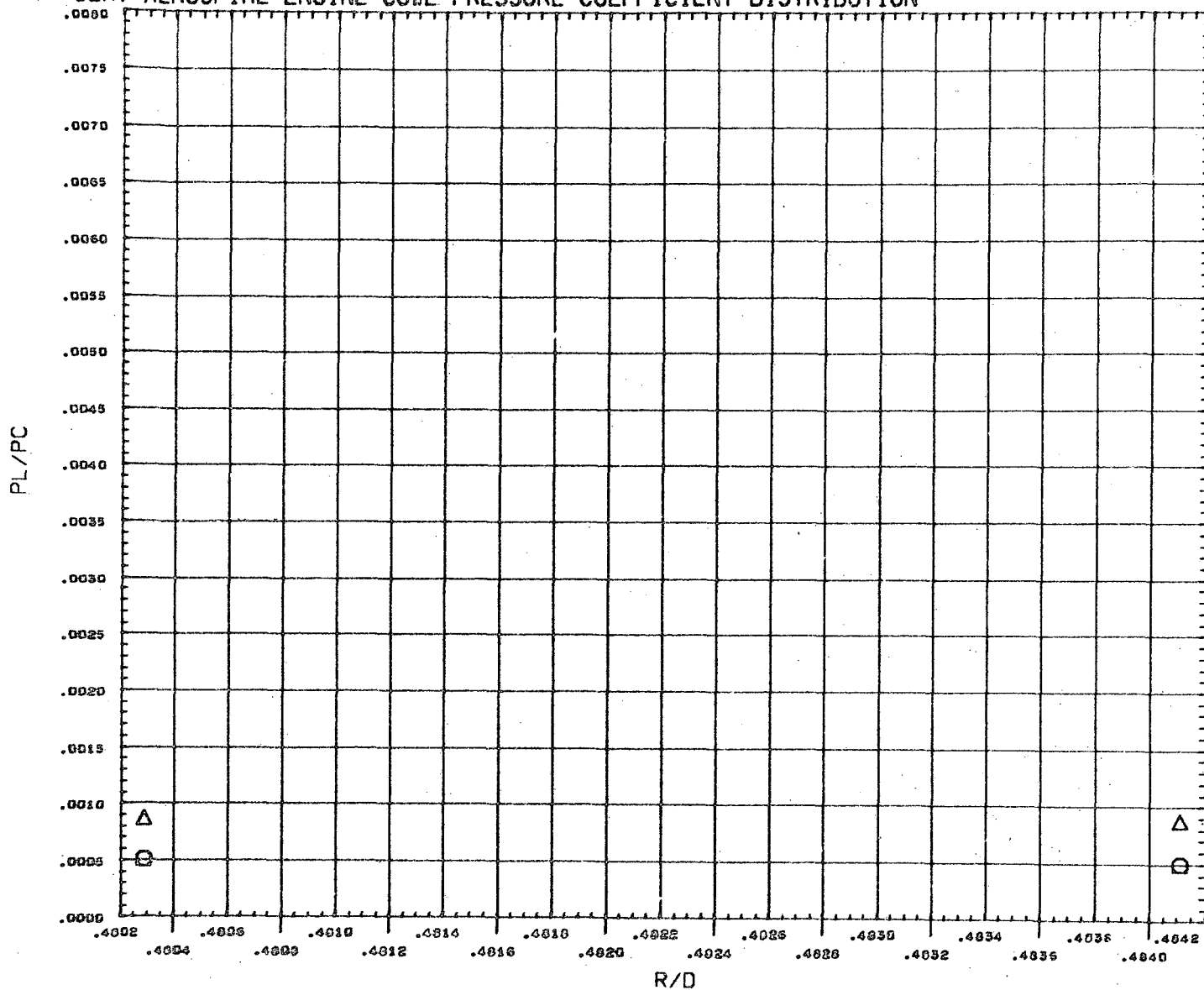
0847088800.FE03E CC09 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	264.375	578.883	0.598
△	305.630		

SREF	572.557	SG. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	404.679	WS/WPC
		0.004
		0.000

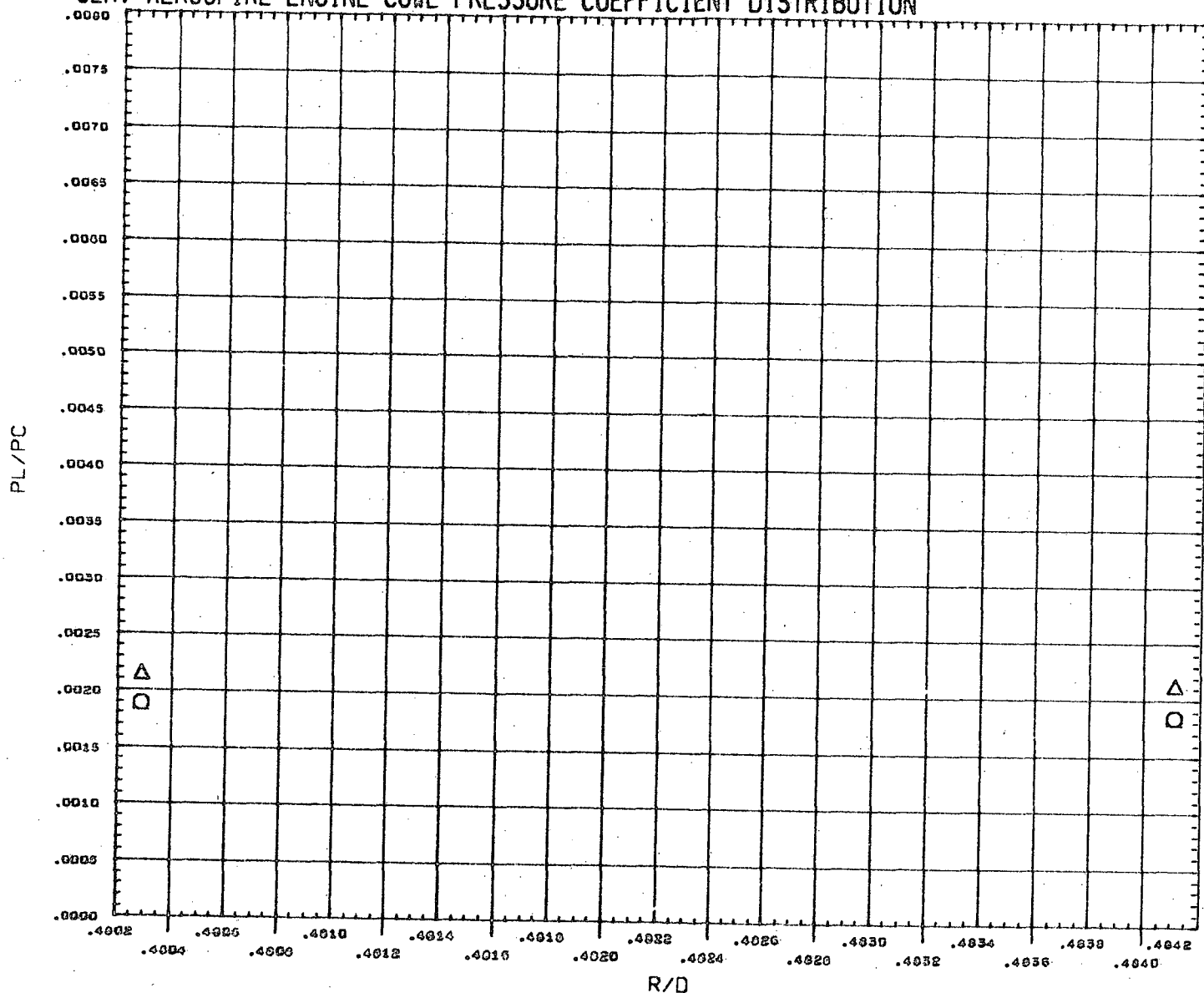
0000000000.F0000 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
O	264.375	302.353	0.801	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
Δ	305.630			BREF	27.000	INCHES		404.679	WS/WFC 0.000
				XMRP	0.000	DIAMTR			
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

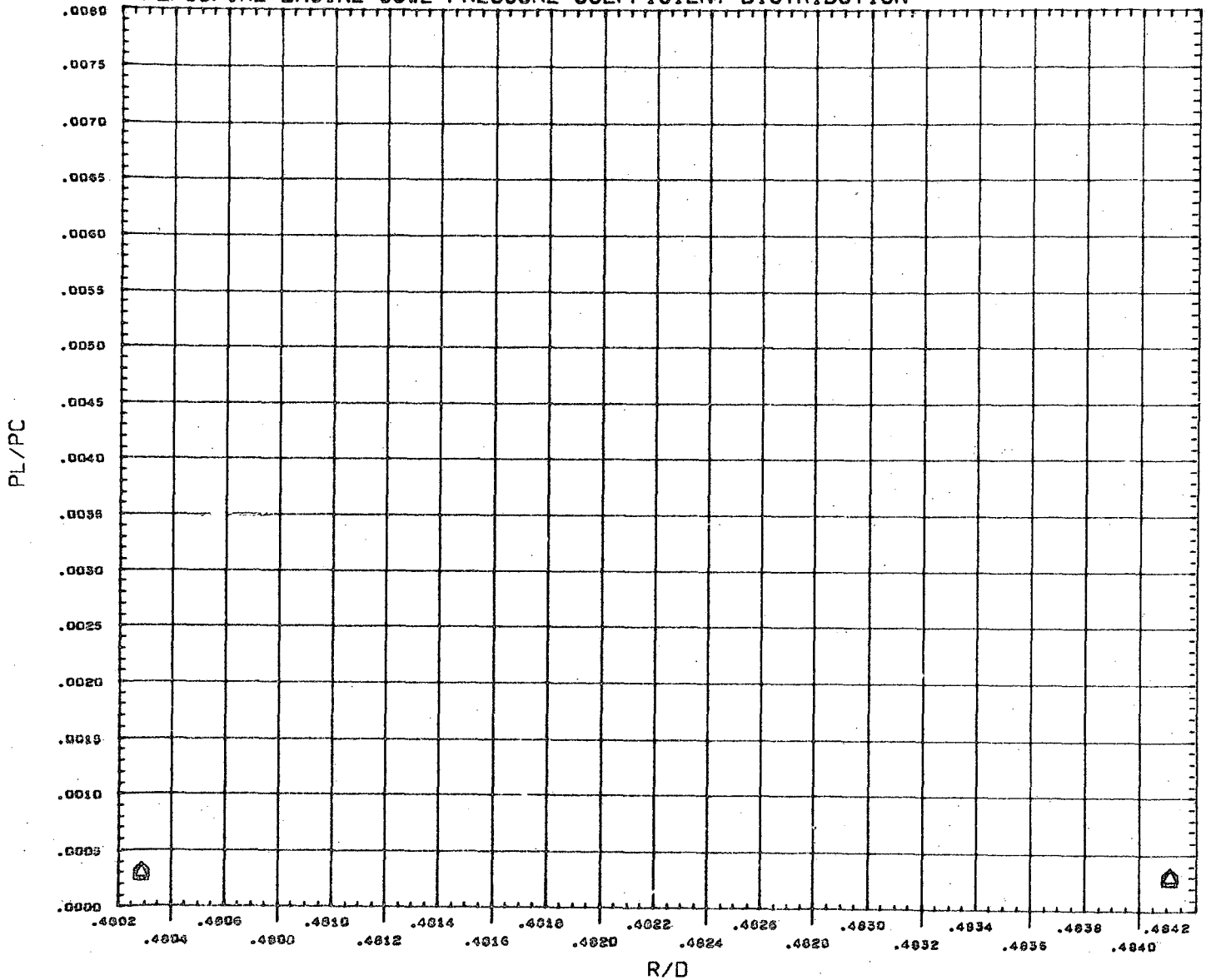
0070000000.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
○	264.375	400.087	0.798	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	305.630			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
				BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

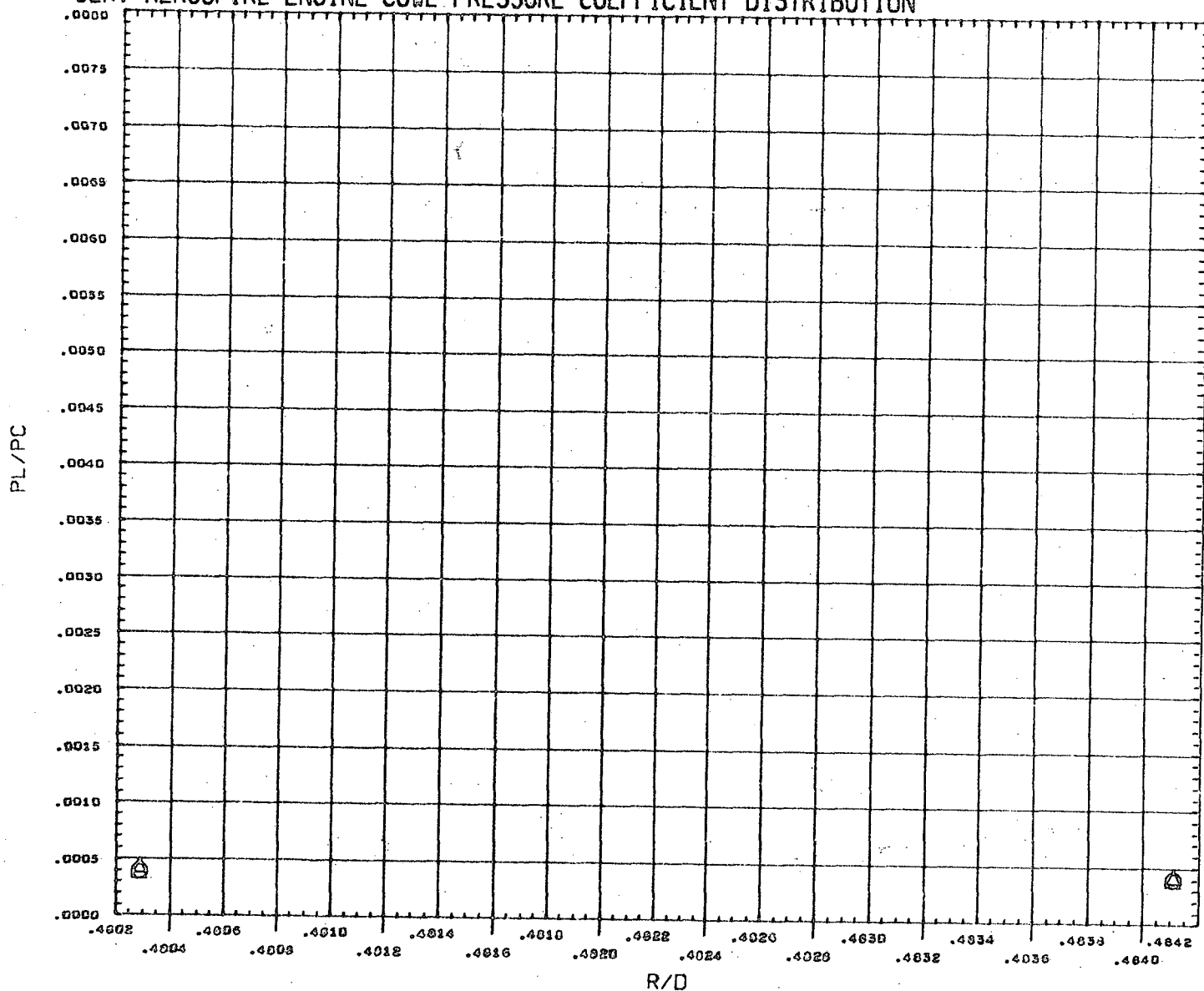
0850R0000.F002E CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
	264.375	499.307	0.799	LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
	303.630			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

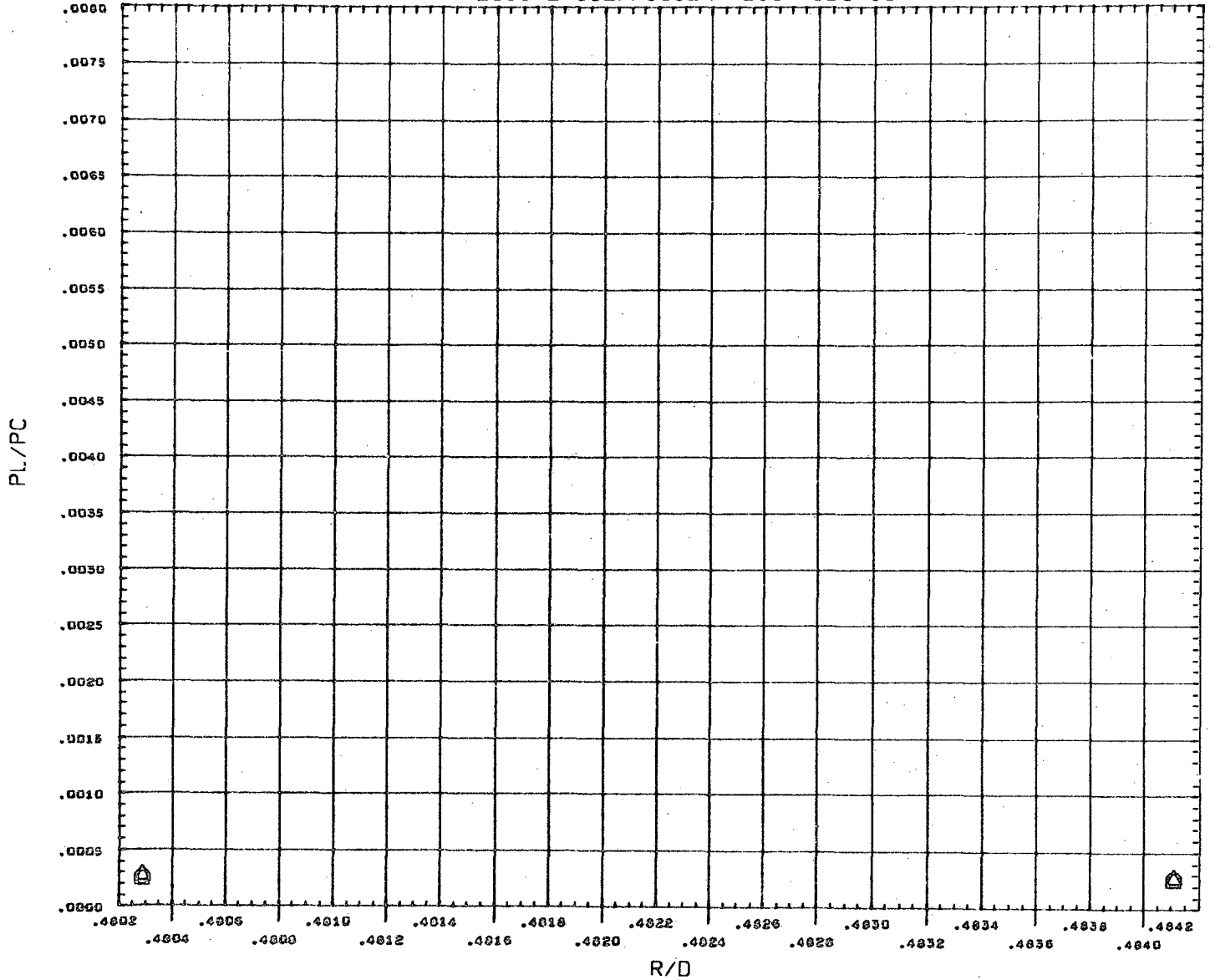
DISTORBOS.F.CCSE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

PAGE 492

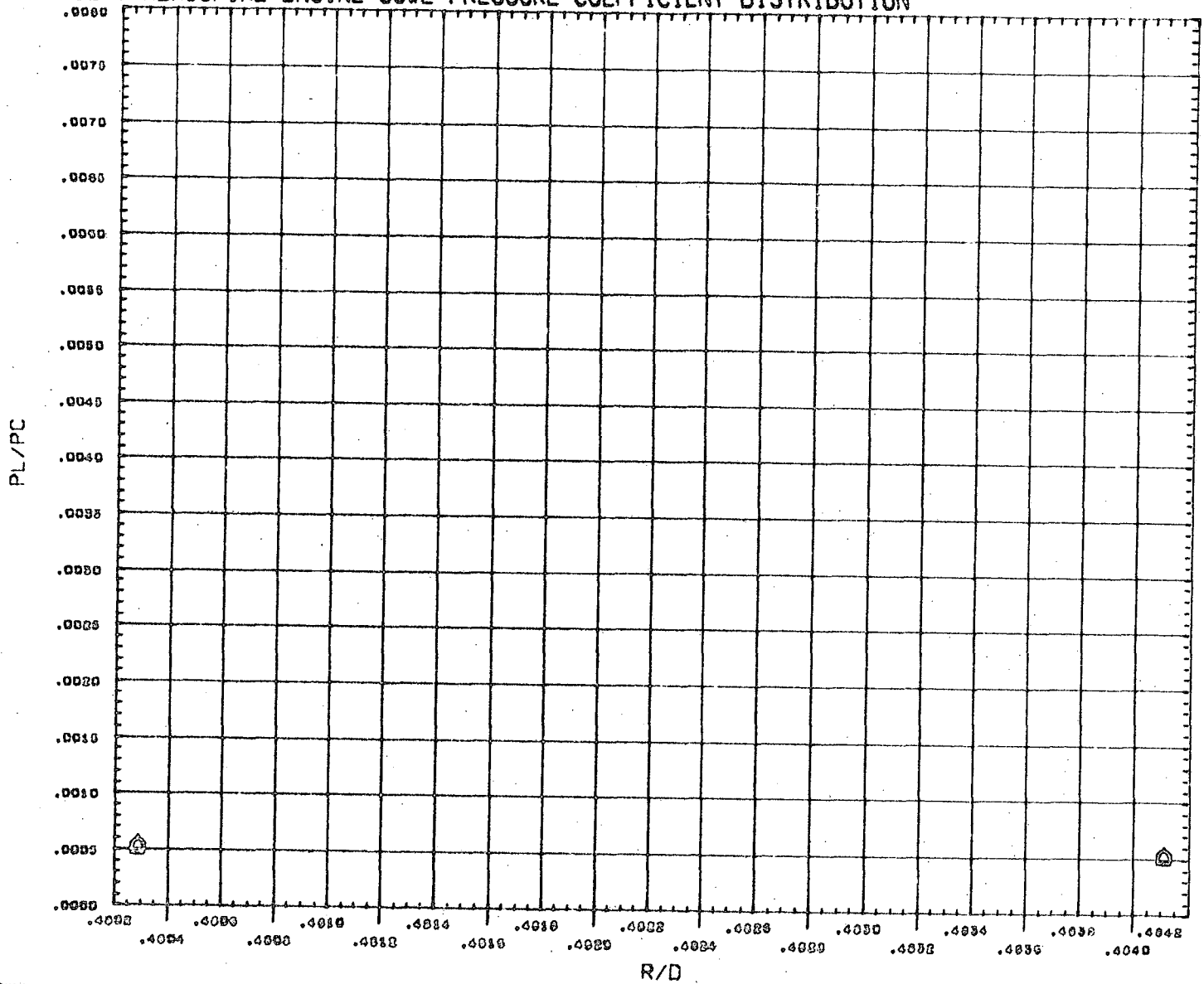
SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
○	264.375	688.852	0.803	LREF	27.000	INCHES	PC	0.000	ALPHA
△	305.630			BREF	27.000	INCHES		404.679	WS/WFC
				XMRF	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

08700863.F002E CC00 TN-AP-70-445

SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 306.157 0.905
 A 305.630

SREF 572.557 50.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

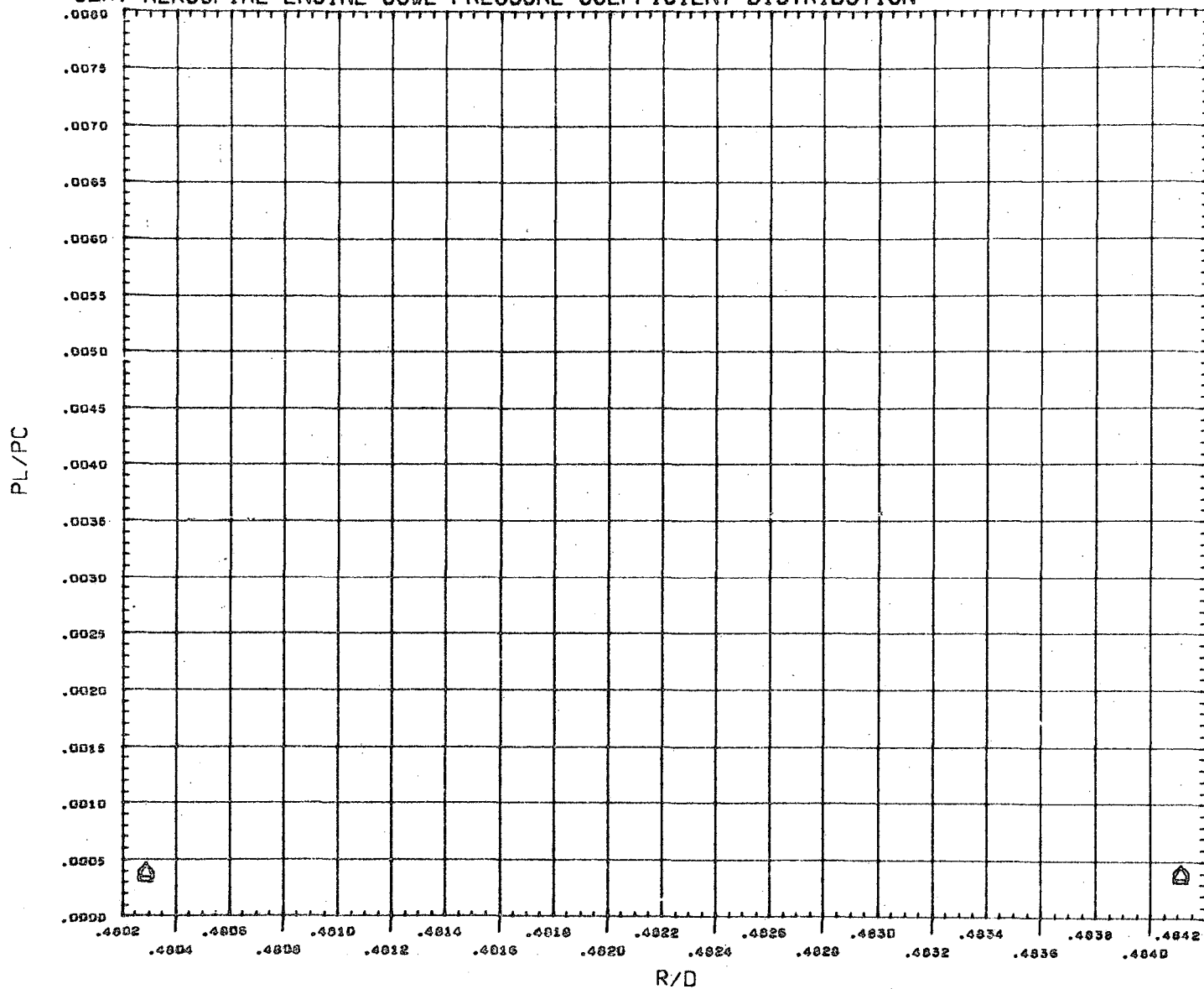
DATA000000.FE00E 6500 TH-AP-70-400

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES		
○	264.375	399.707	0.900	LREF	27.000	INCHES		0.000	ALPHA	0.004
△	305.630			BREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

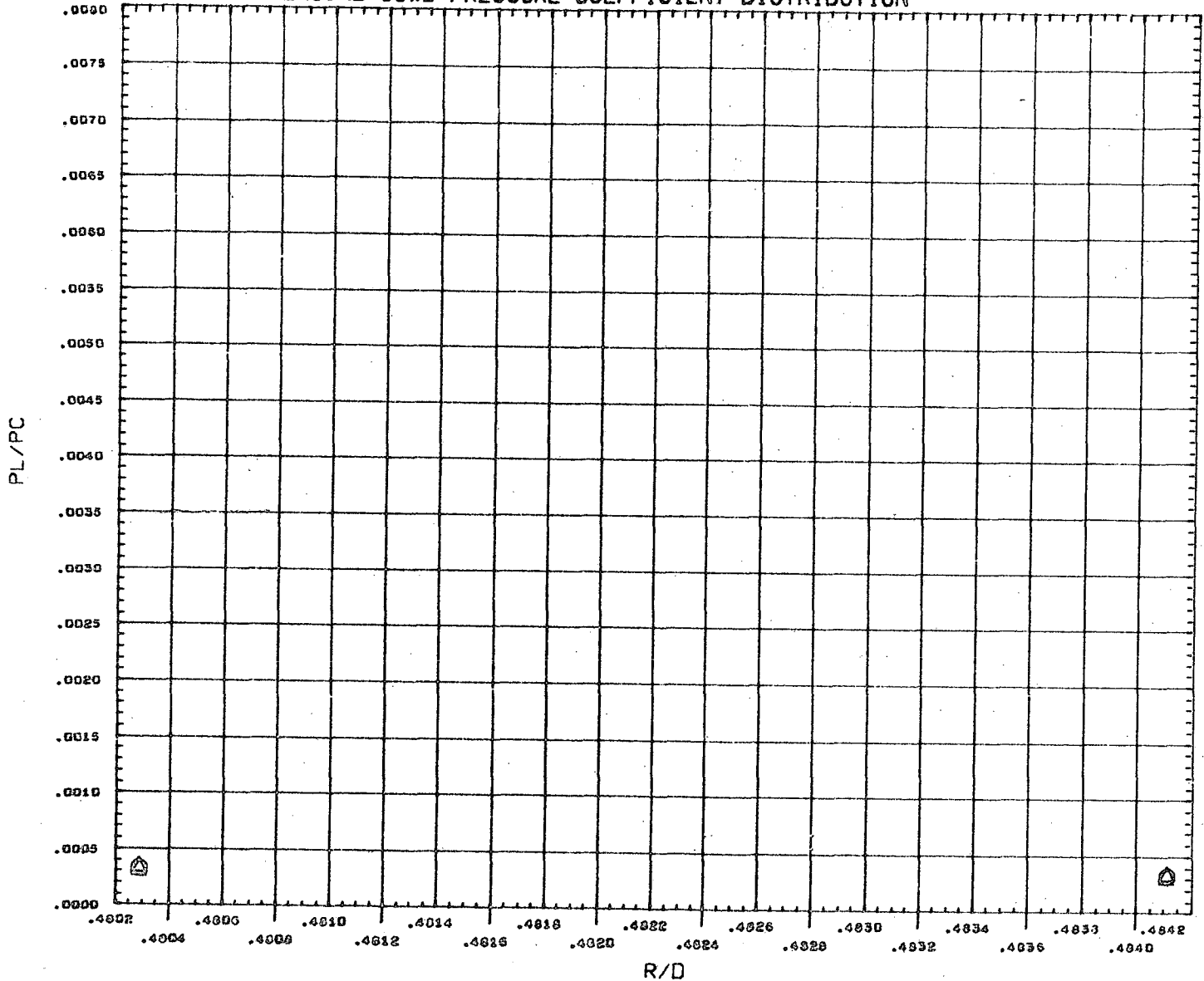
DATA BASE FILE CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50.IN.	E/DCOR	0.000	ALPHA	0.004
	264.375	600.200	0.895	LREF	27.000	INCHES	FC	404.679	WS/WFC	0.000
	305.630			BREF	27.000	INCHES				
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

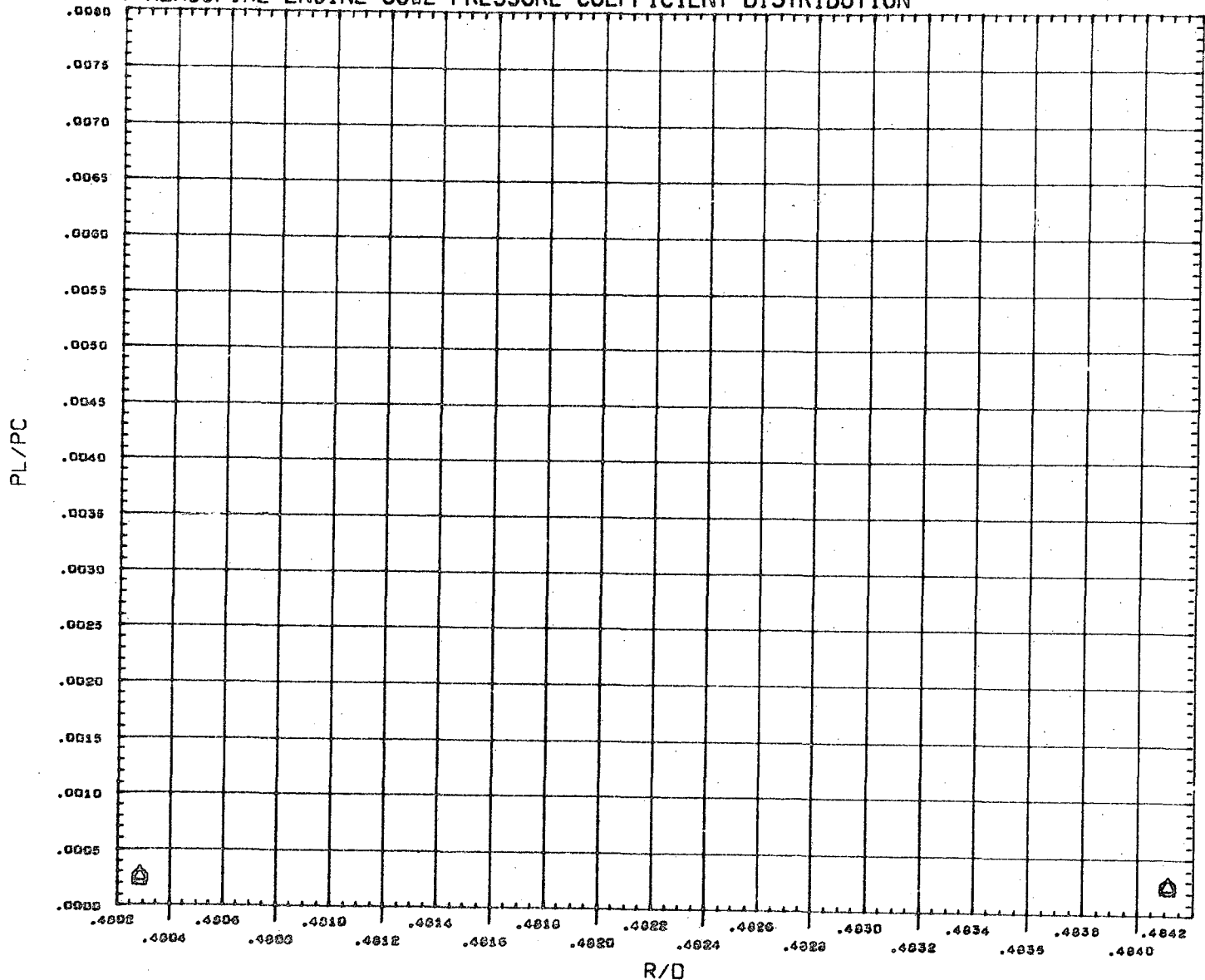
0870R0080.F002E CC89 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	S9.IN.	E/DOOR	PARAMETRIC VALUES		
Q	264.375	012.557	0.902	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
	305.630			BREF	27.000	INCHES		404.679	WS/WPC	0.000
				XMRP	0.000	DIAMTR				
				YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

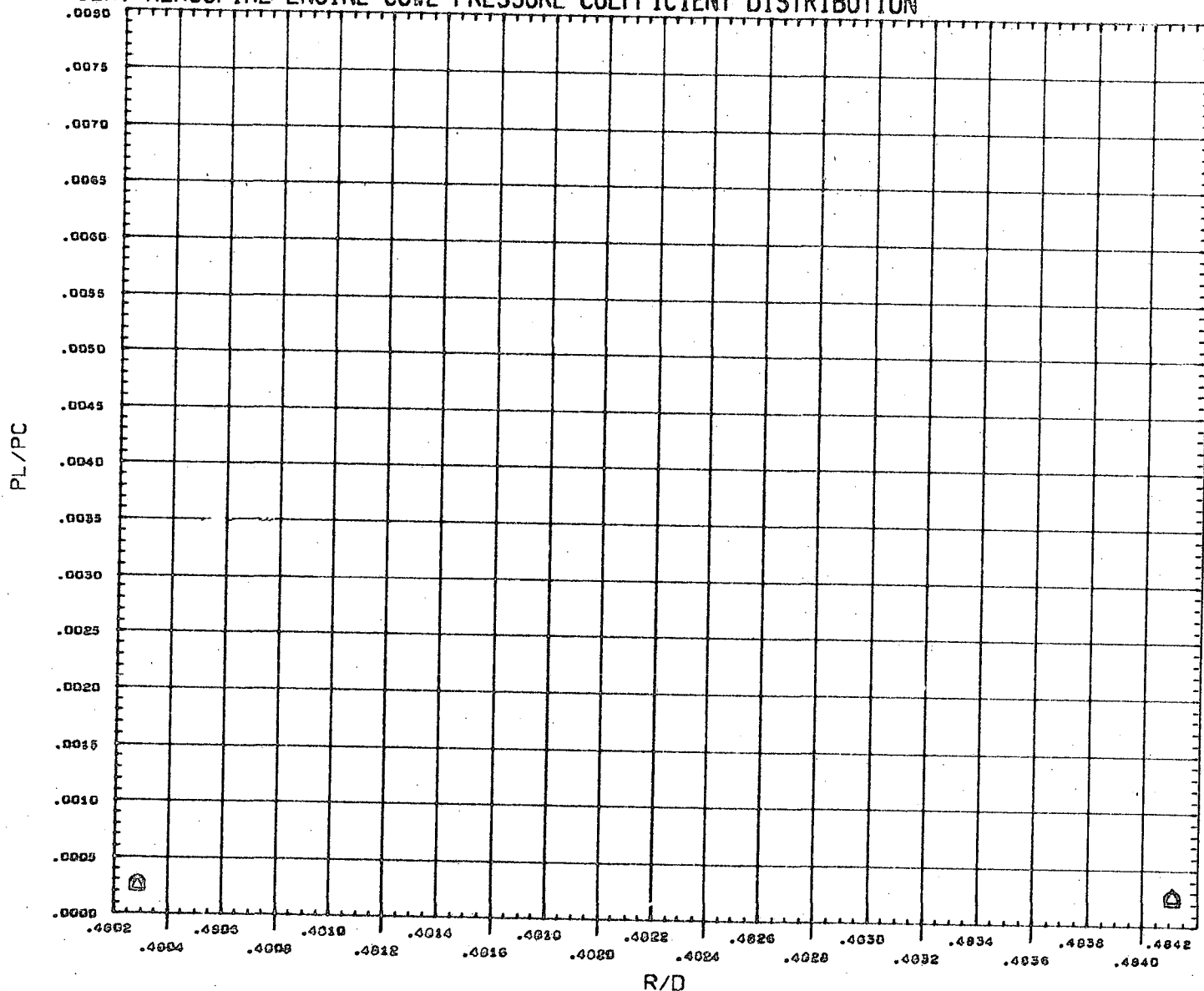
DATA08008.FIC08E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 A 264.375 395.993 1.100
 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

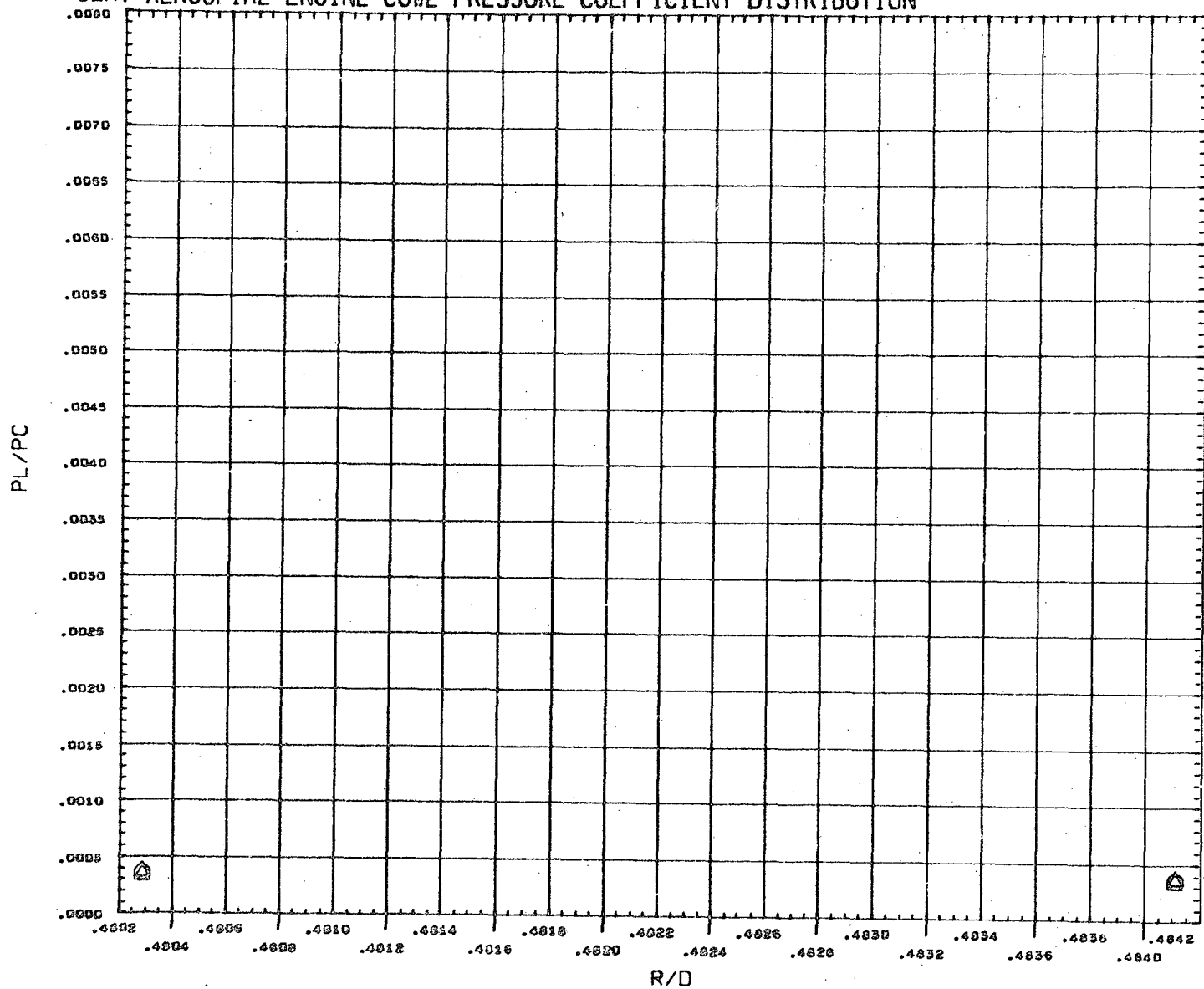
00000000.F000E CCSD TH-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Δ 264.375 491.380 1.101
 ∇ 305.630

SREF 572.557 SQ. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WPC 0.000

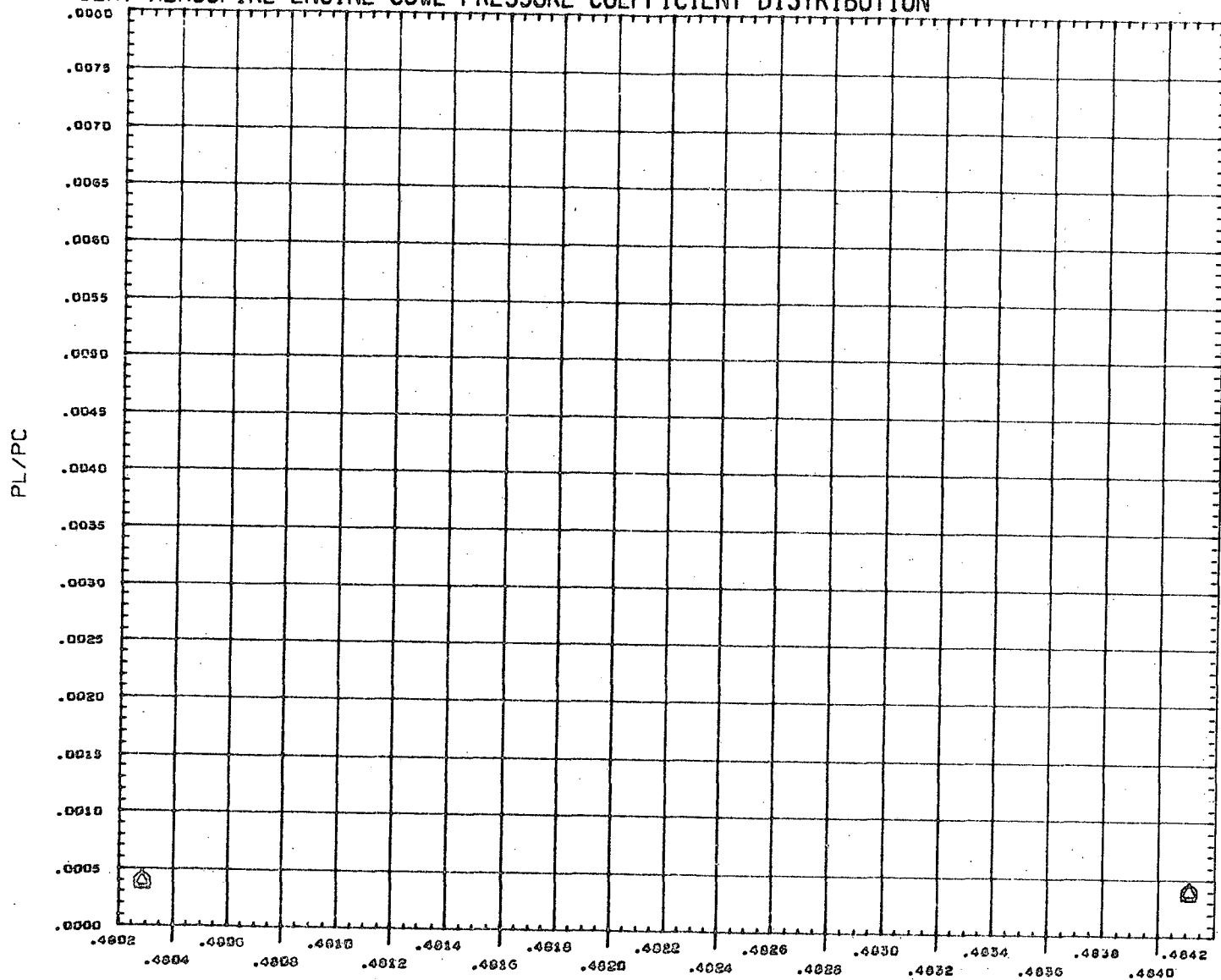
00788368.FICCE CC89 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 599.127 1.089
 A 305.630

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

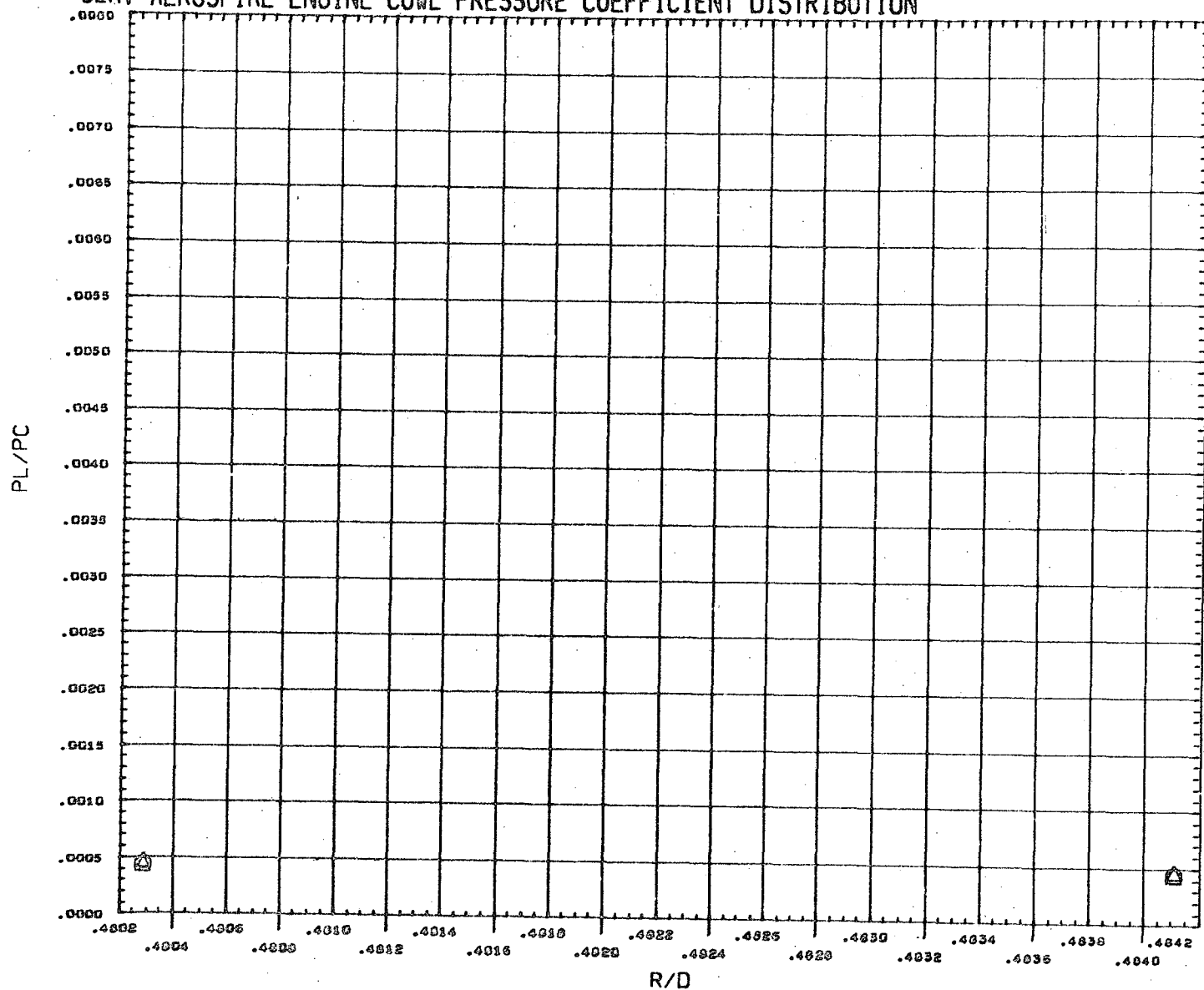
DATA SOURCE: FPCGE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 456.123 1.254
 A 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

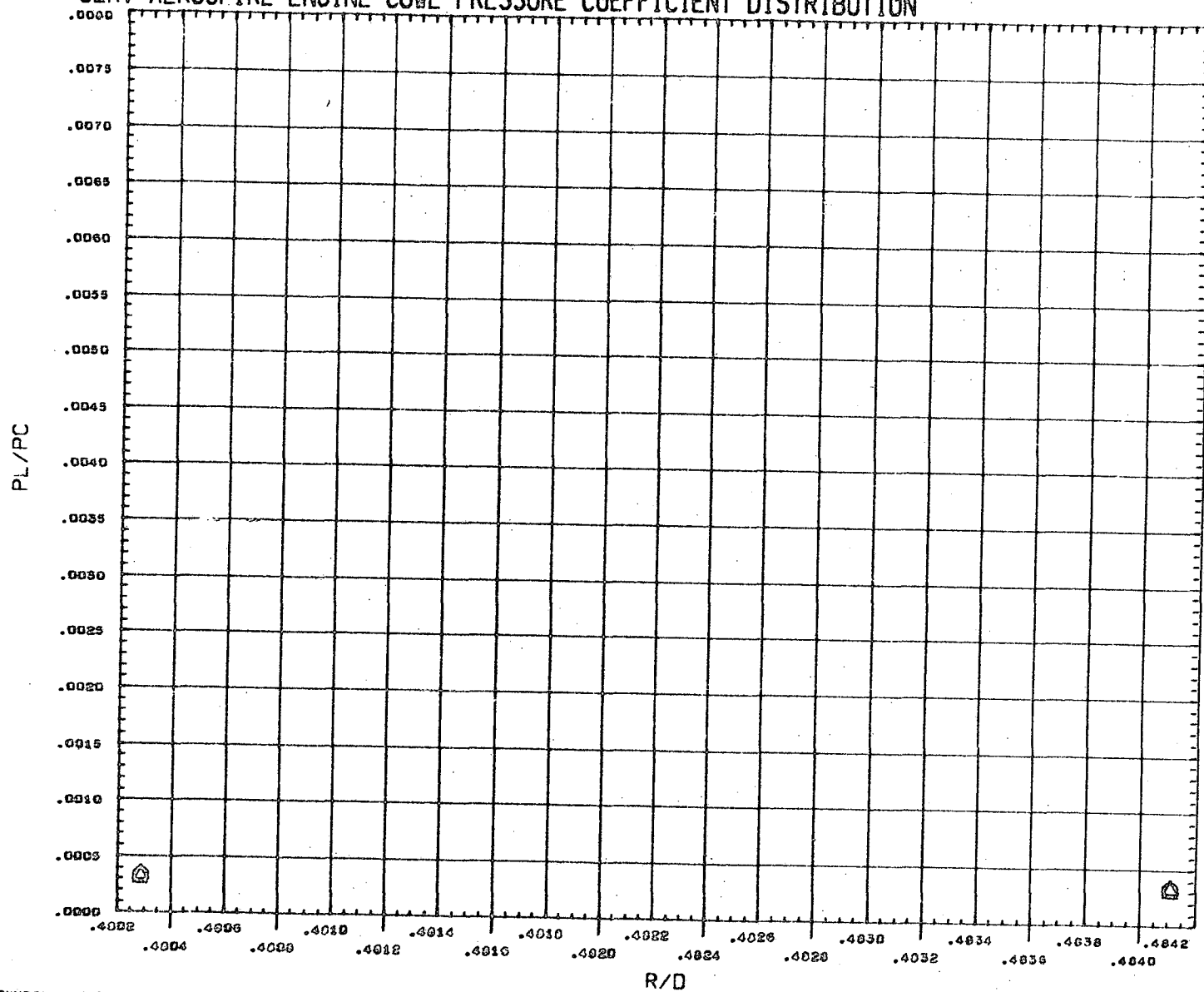
BATERBOS.FECEE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	264.375	751.932	1.261	LREF	27.000	INCHES	0.000	ALPHA	0.004
△	305.630			BREF	27.000	INCHES	PC	404.679	WS/WPC
				XMRP	0.000	DIAMTR			0.000
				YMRP	0.000	DIAMTR			
				ZMRP	0.000	DIAMTR			

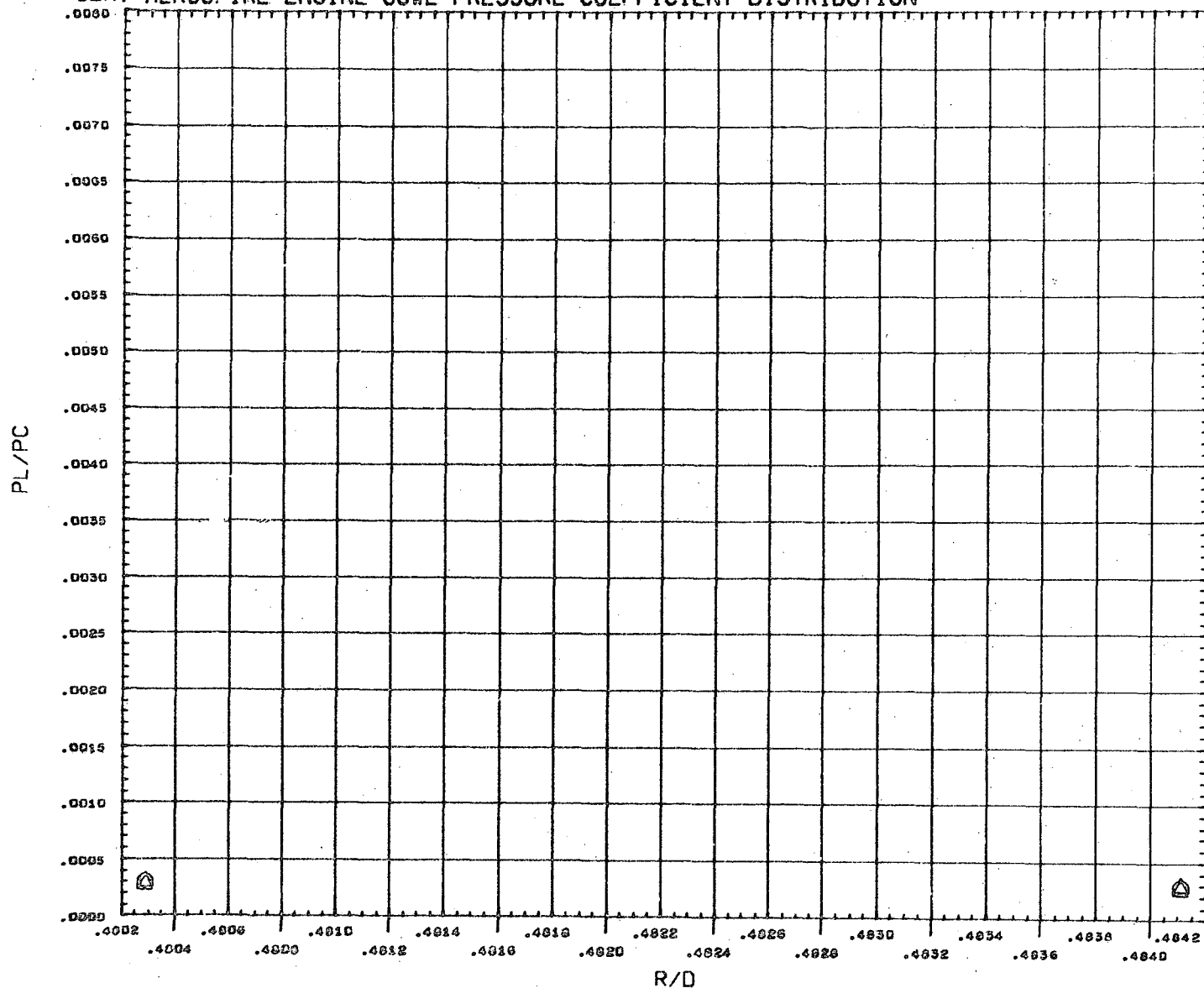
DDTAR0060.FE00E CC09 TH-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 264.375 031.960 1.248
 A 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

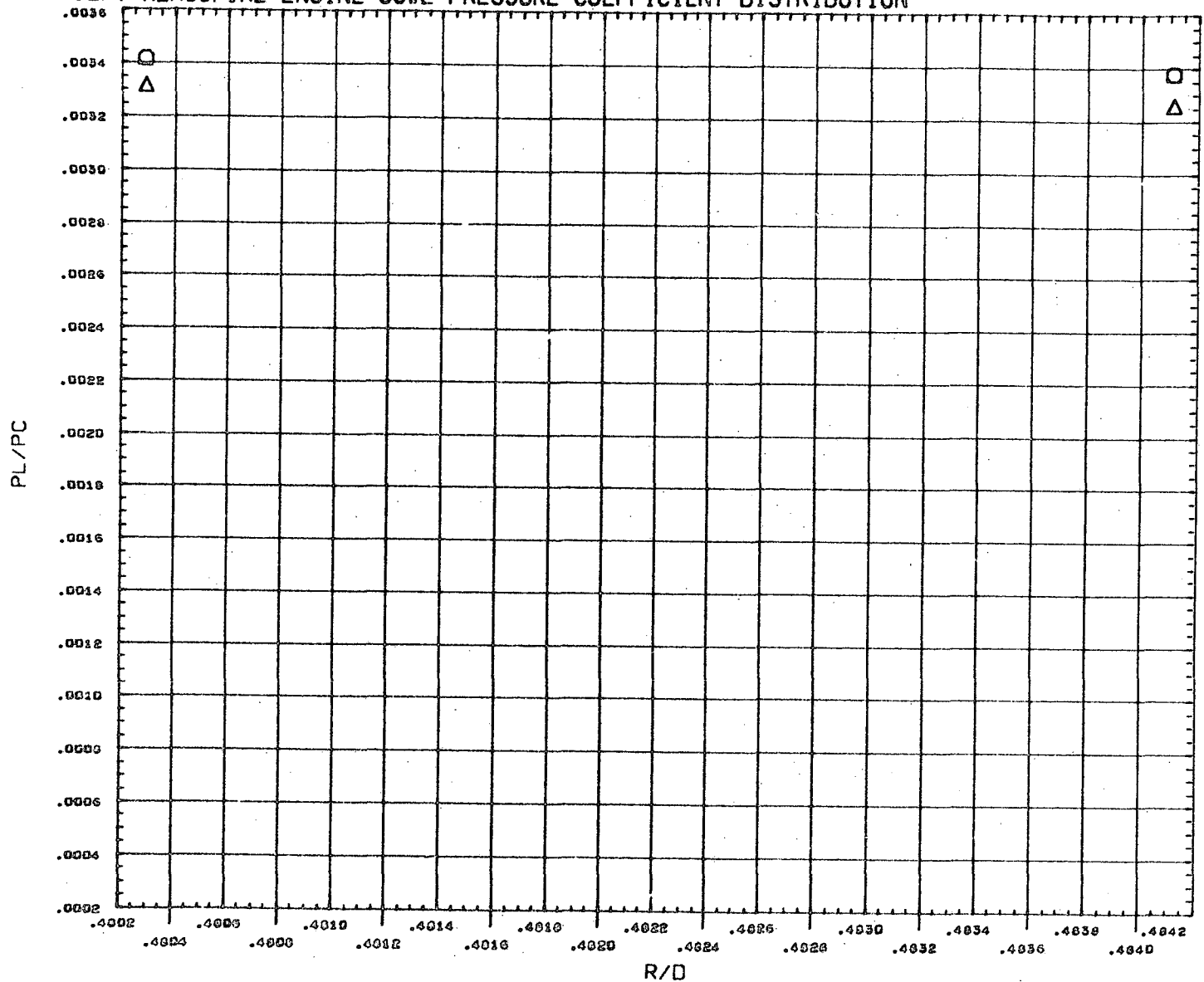
00705050.FEC02E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7240)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH				PARAMETRIC VALUES	
O	264.375	202.003	0.599	SREF	572.557	50. IN.	E/DOOR	0.000 ALPHA 8.022
Δ	305.630			LREF	27.000	INCHES	PC	402.996 WS/WFC 0.000
				BREF	27.000	INCHES		
				XREF	0.000	DIAHTR		
				YREF	0.000	DIAHTR		
				ZREF	0.000	DIAHTR		

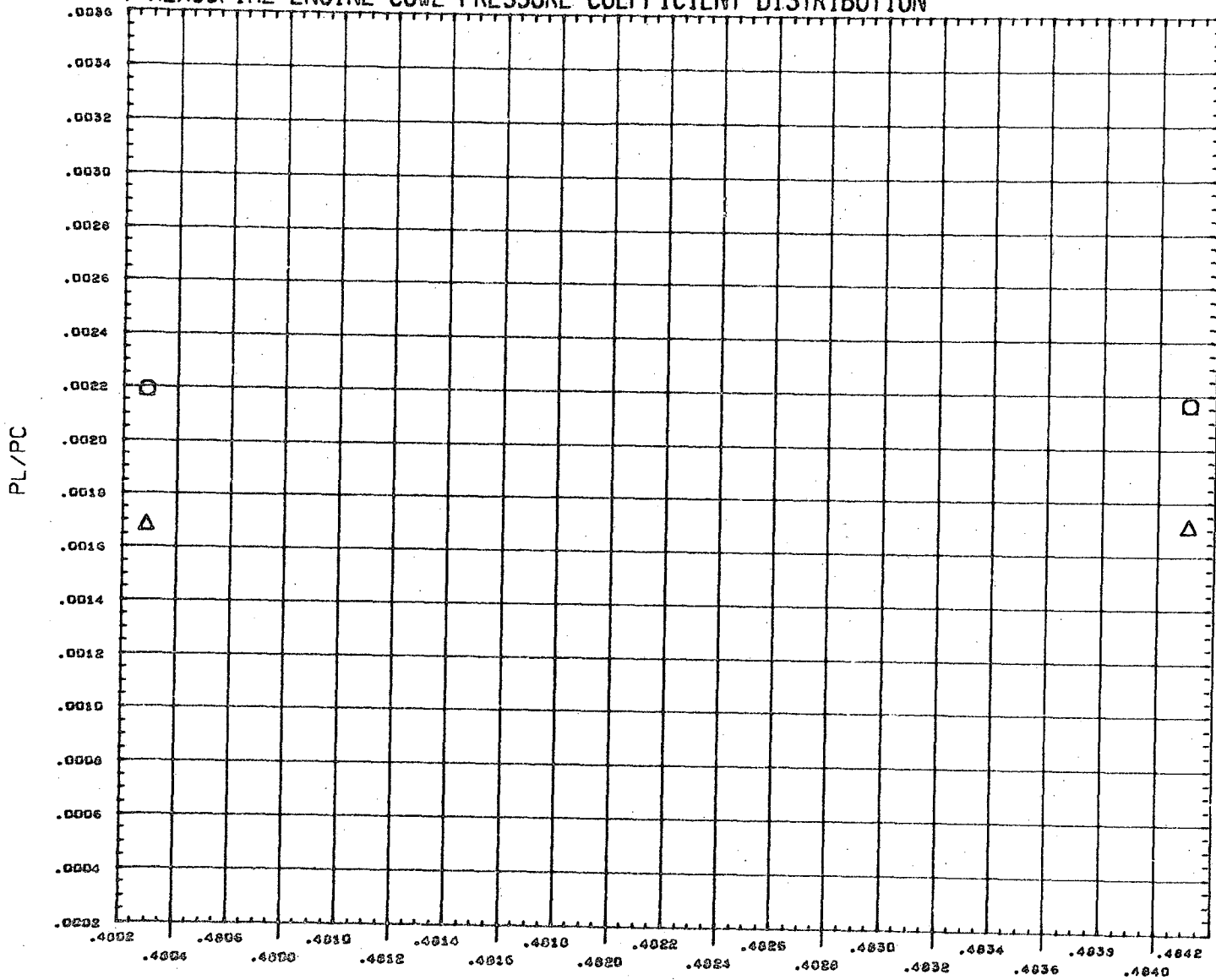
0070R0908.F008E CCSD TH-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
○ 264.375 299.500 0.801
△ 305.630

SREF 572.557 58. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 8.022
PC 402.996 WS/WFC 0.000

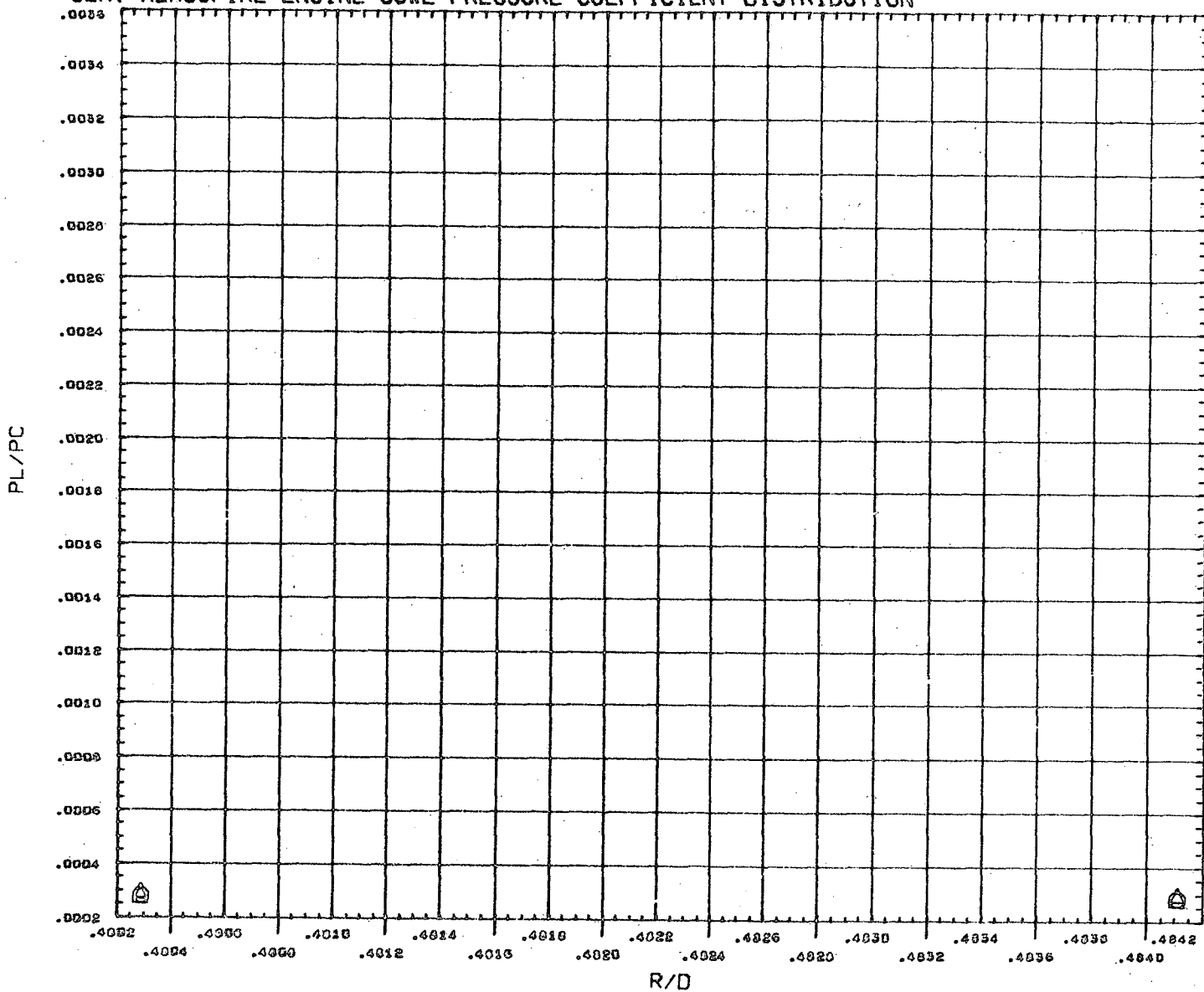
DATA SOURCE: FECEC CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH
○	264.375	398.487	0.899
△	305.630		

SREF	572.557	56. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XHRF	0.000	DIAMTR
YHRF	0.000	DIAMTR
ZHRF	0.000	DIAMTR

PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
PC	402.996	WS/WFC
		0.022
		0.000

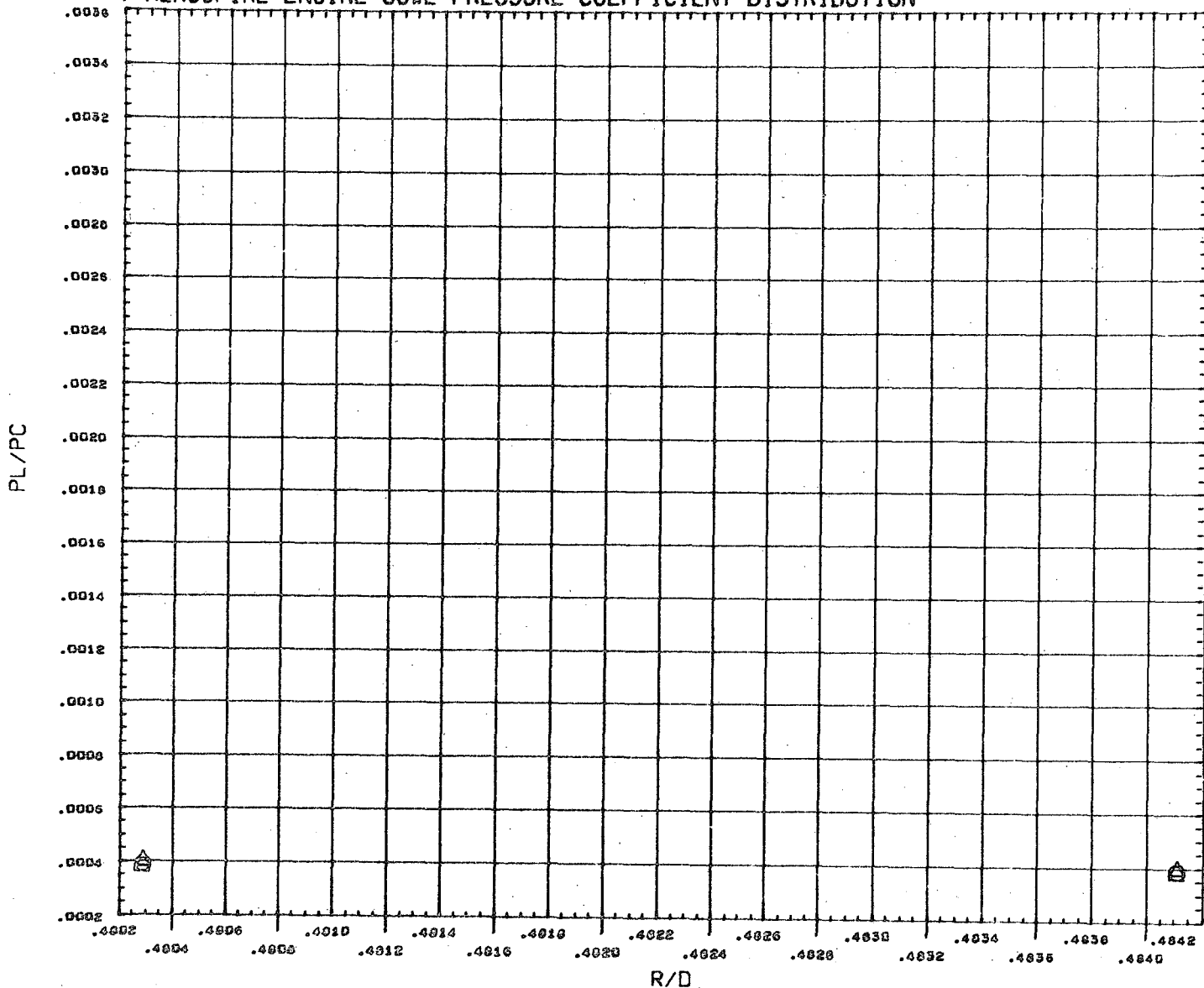
B07DRB05E.F000E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
△	264.375	402.407	1.100	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
△	305.630									PC 402.996 WS/WFC 0.000

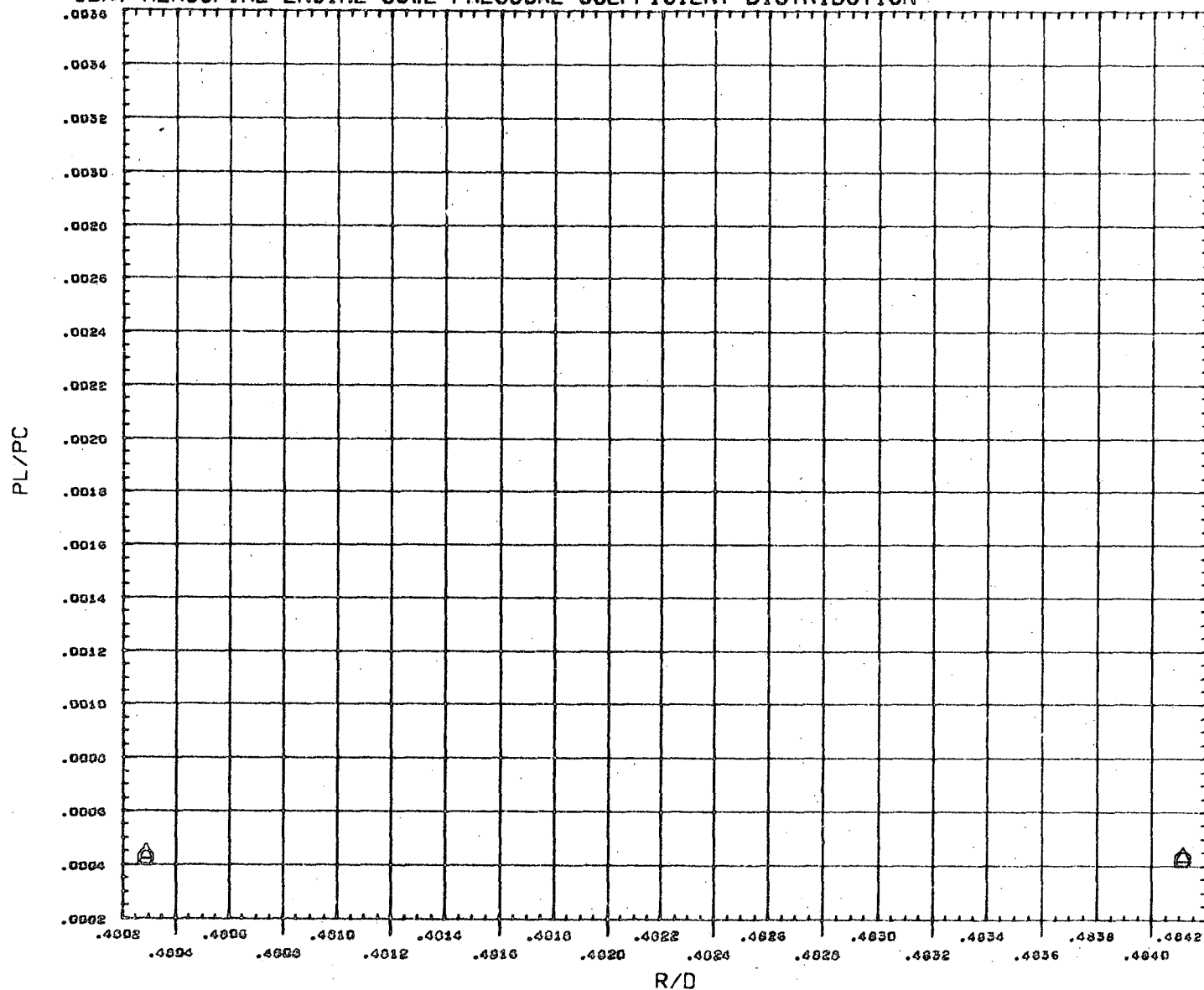
DATA SOURCE: CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7248)

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SERV AEROSPIKE ENGINE COWL PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 264.375 400.737 1.253
 Δ 305.630

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRF 0.000 DIAMTR
 YMRF 0.000 DIAMTR
 ZMRF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WPC 0.000

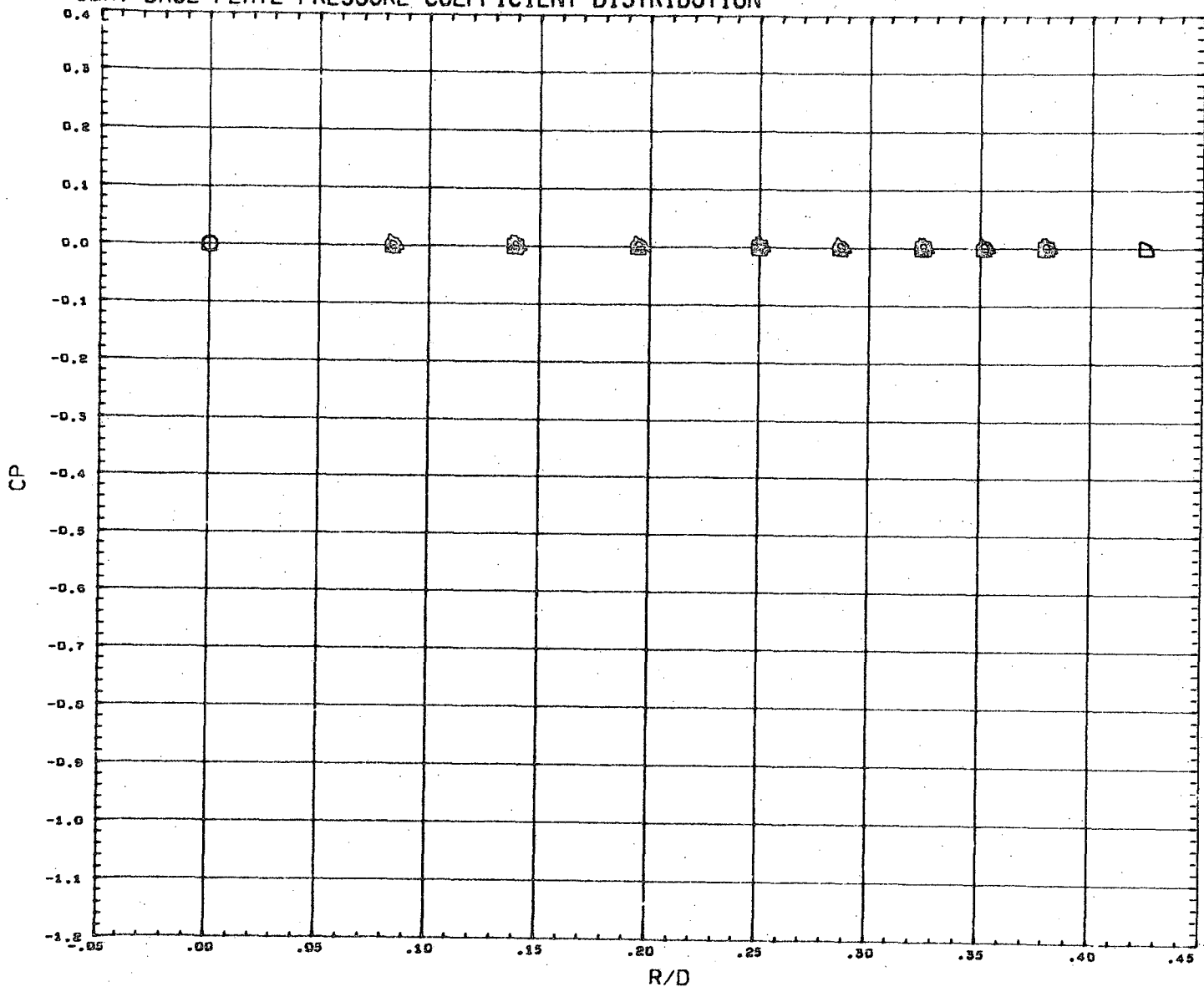
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AEDC TF250 CCSD/SERV(SIMULATED JET) SHROUD

(CT7248)

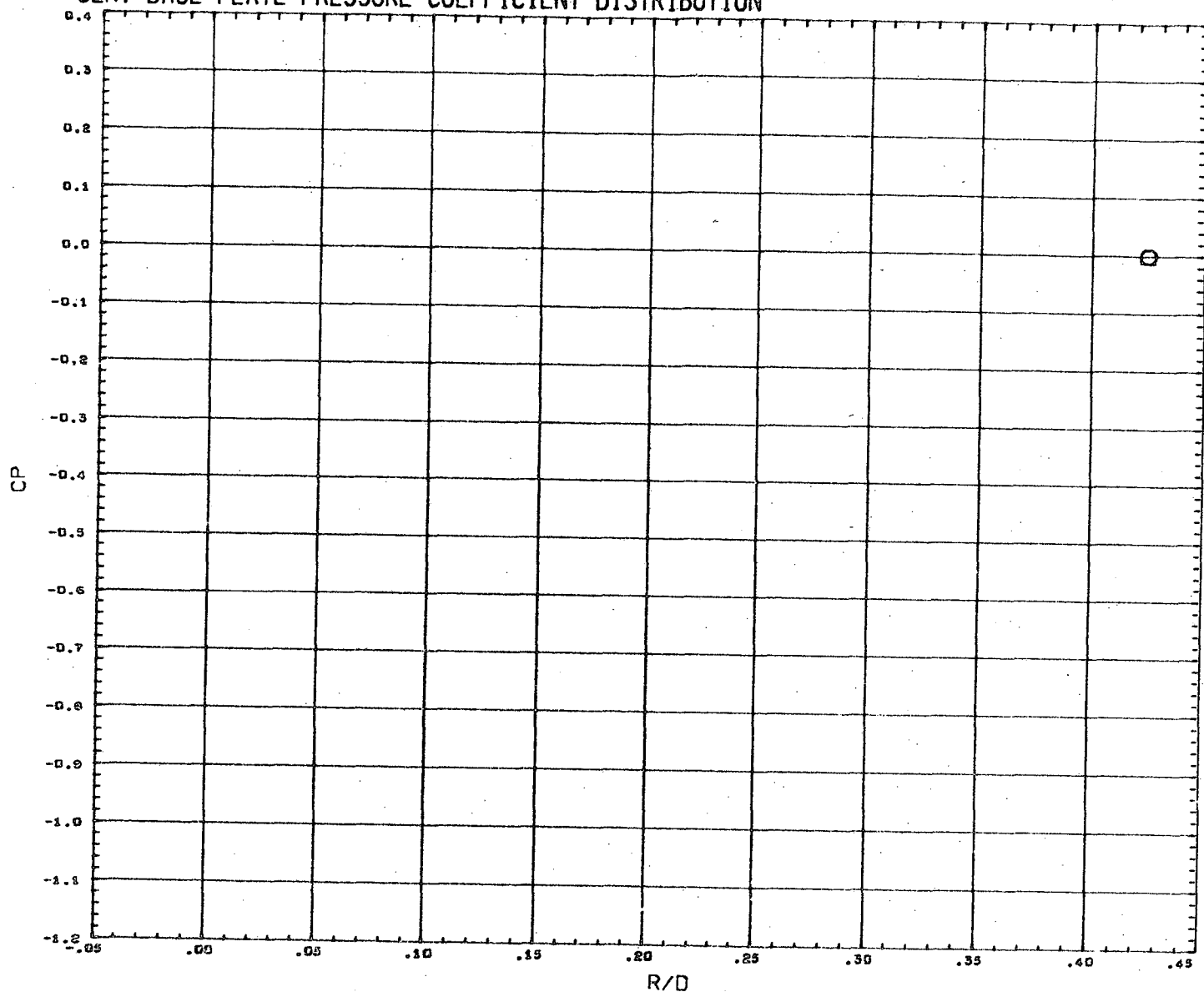
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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XREF	YREF	ZREF	PARAMETRIC VALUES
○	5.620	125.000	0.086	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	FC 404.679 WS/WFC 0.000
◇	90.000									
□	135.000									
▽	174.380									
◻	269.000	0000000000.F000E	CC00 TH-AP-70-445							

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 125.600 0.086

SREF 572.557 58. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

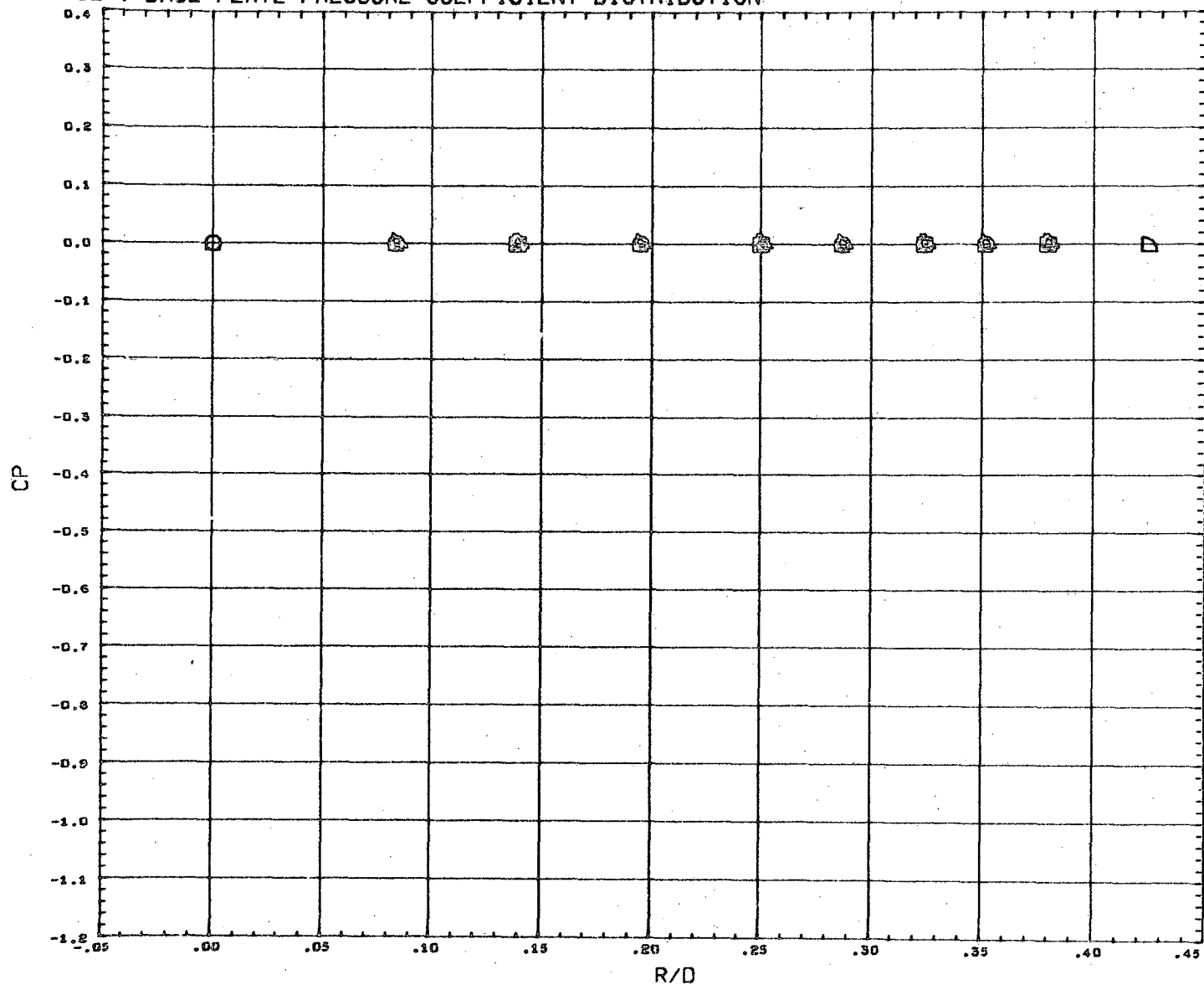
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

00788008.FIG2E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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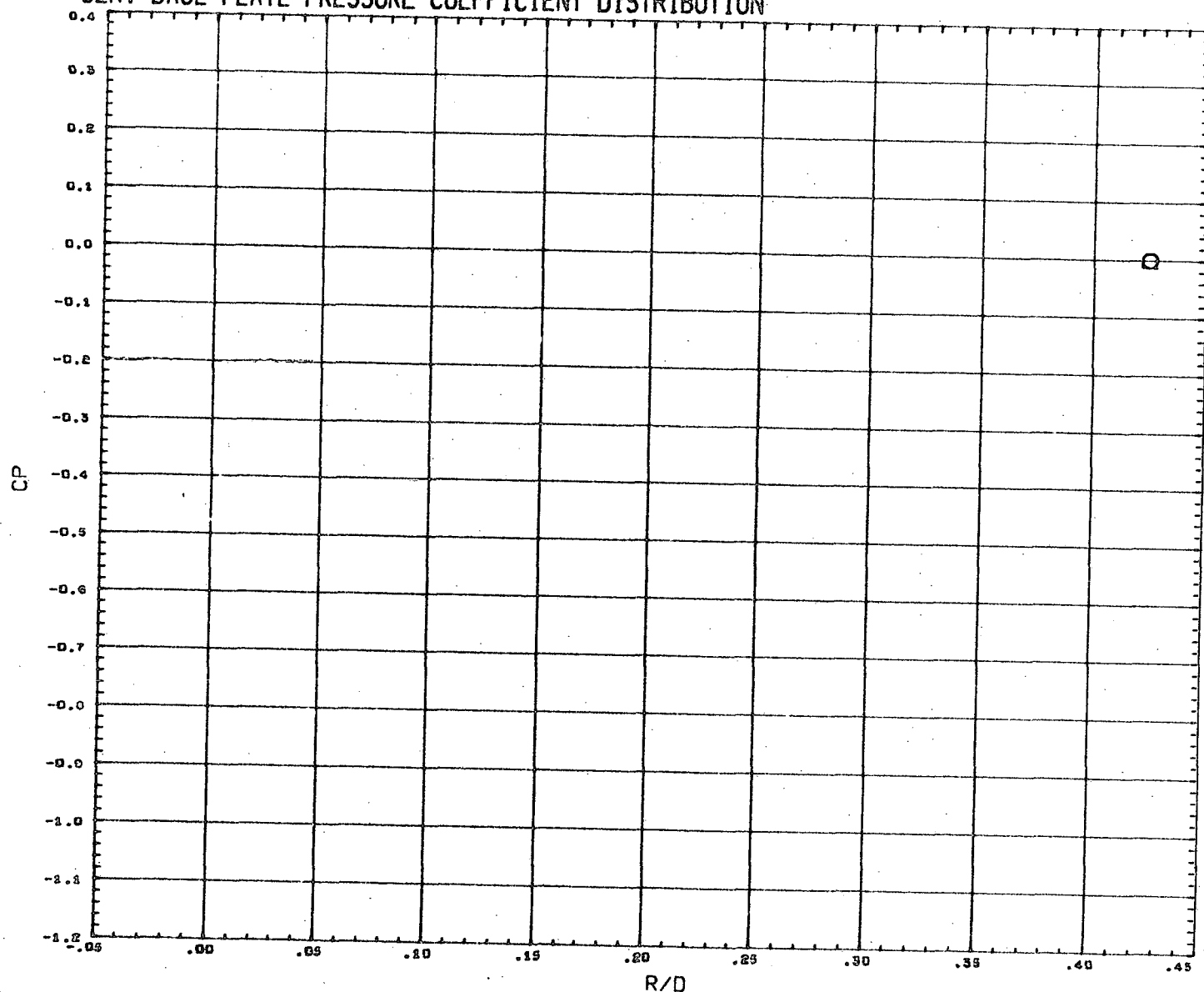
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
◇	5.620	151.083	0.099	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	45.000									PC 404.679 WS/WFC 0.000
◇	90.000									
◇	135.000									
◇	174.360									
◇	269.000									

DATA FROM FILE: CCSD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 151.063 0.099

SREF 572.557 58.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

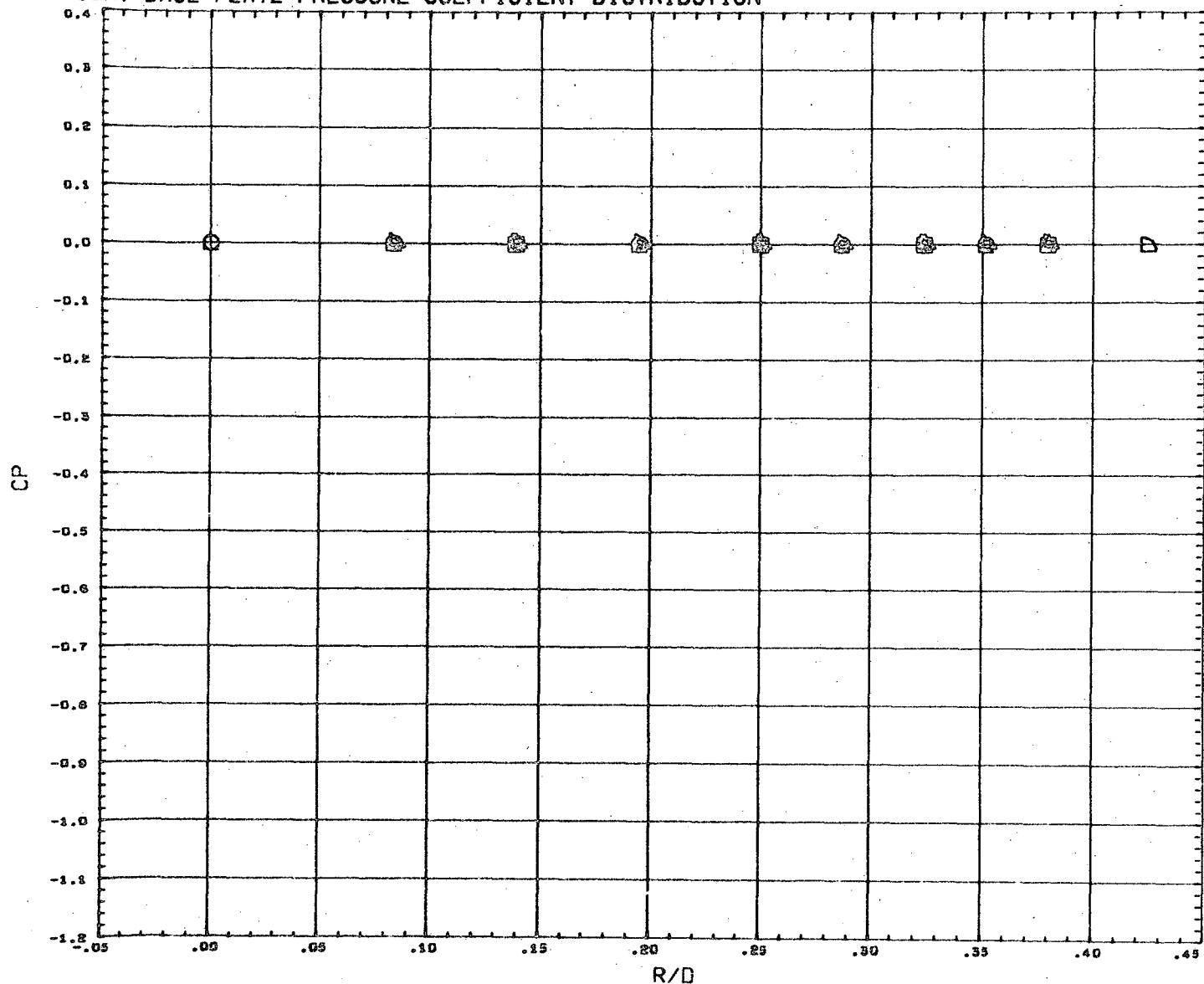
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

00000000.F000E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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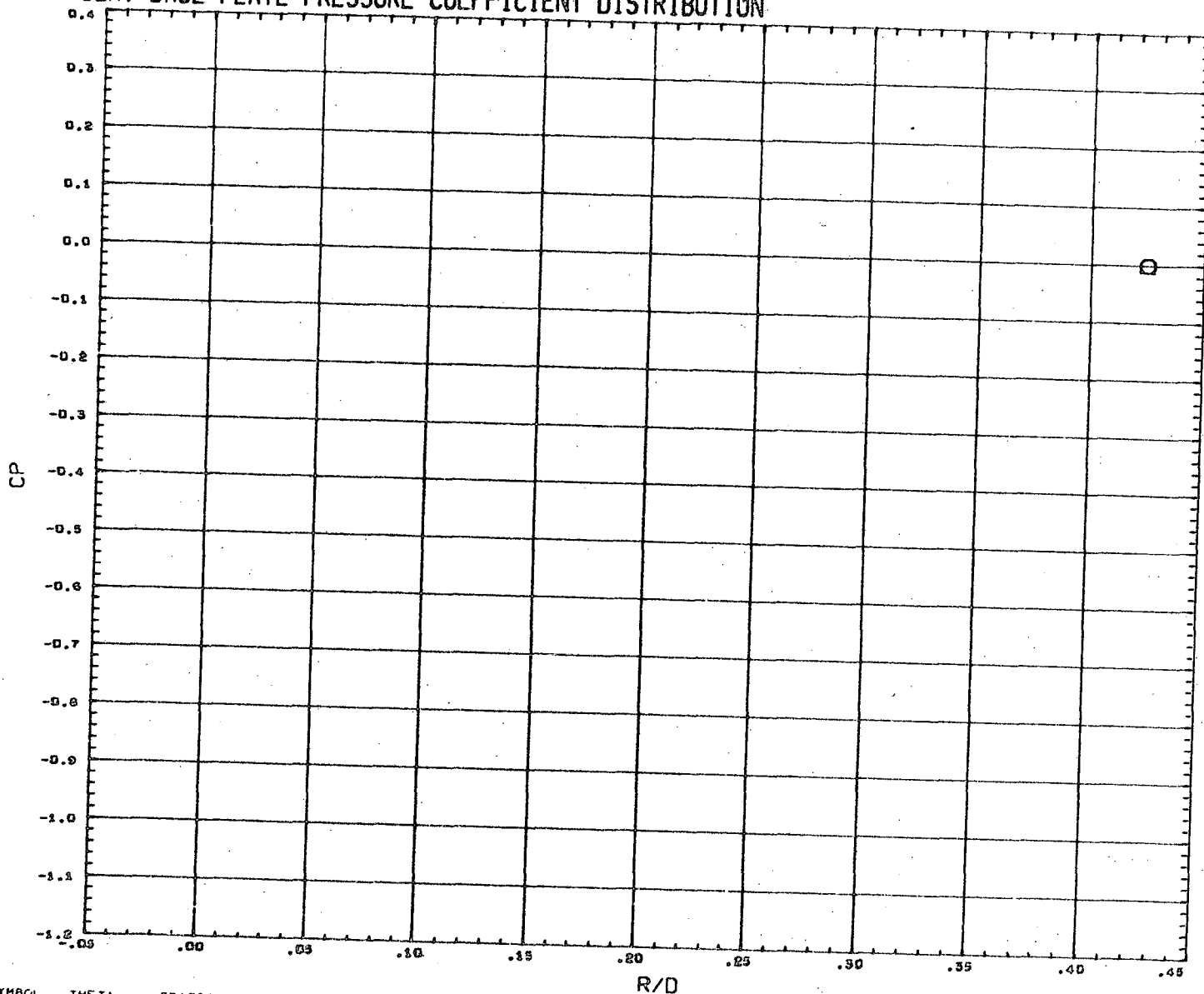
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	5.620	200.173	0.086	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
◇	45.000			58.1N.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR			WS/WFC 0.000
◇	90.000											
◇	135.000											
◇	174.380											
◇	269.000											

0875R000E.F002E CCSD TH-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 200.173 0.096

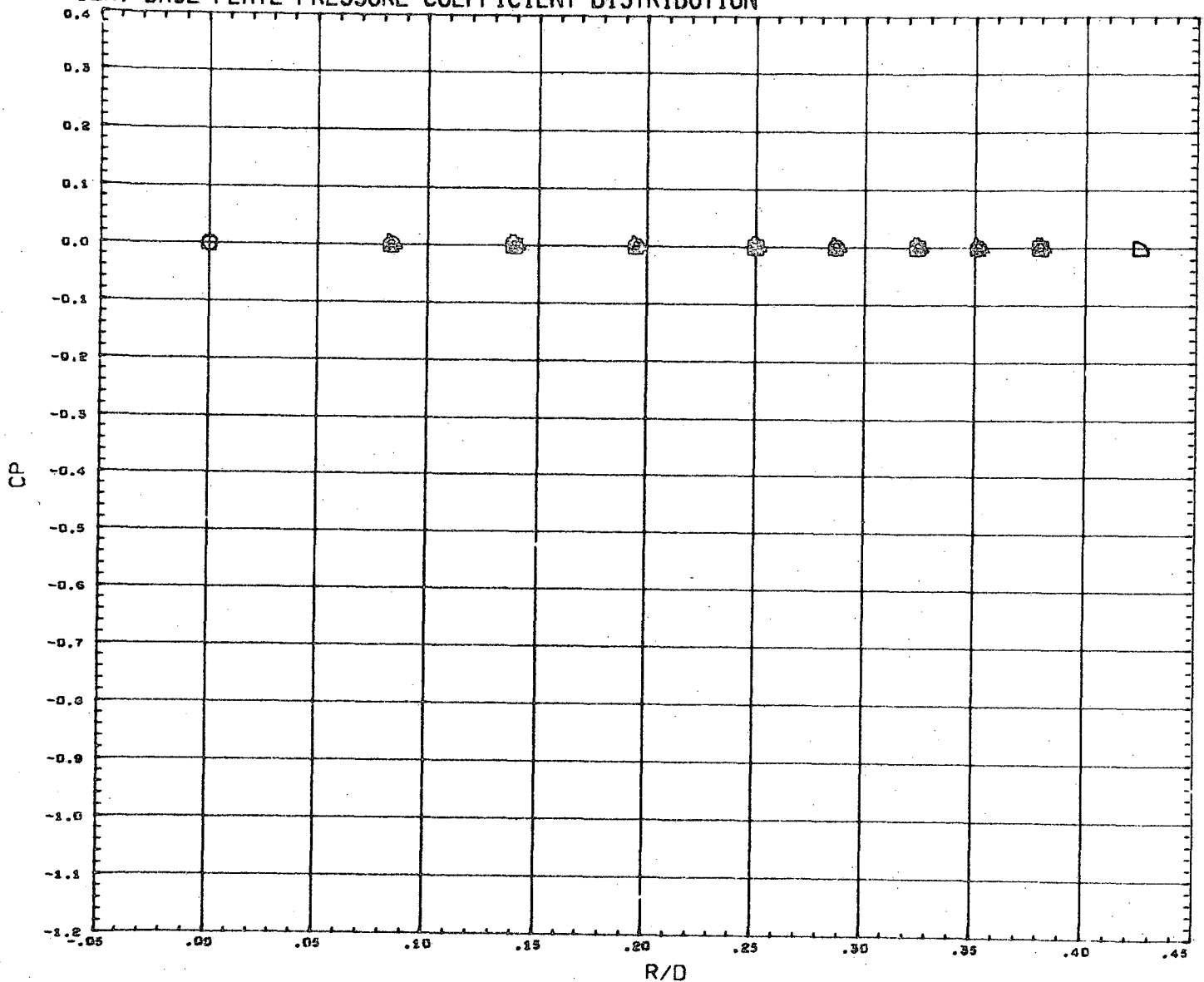
SREF 572.557 58. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WFC 0.000

85780000.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

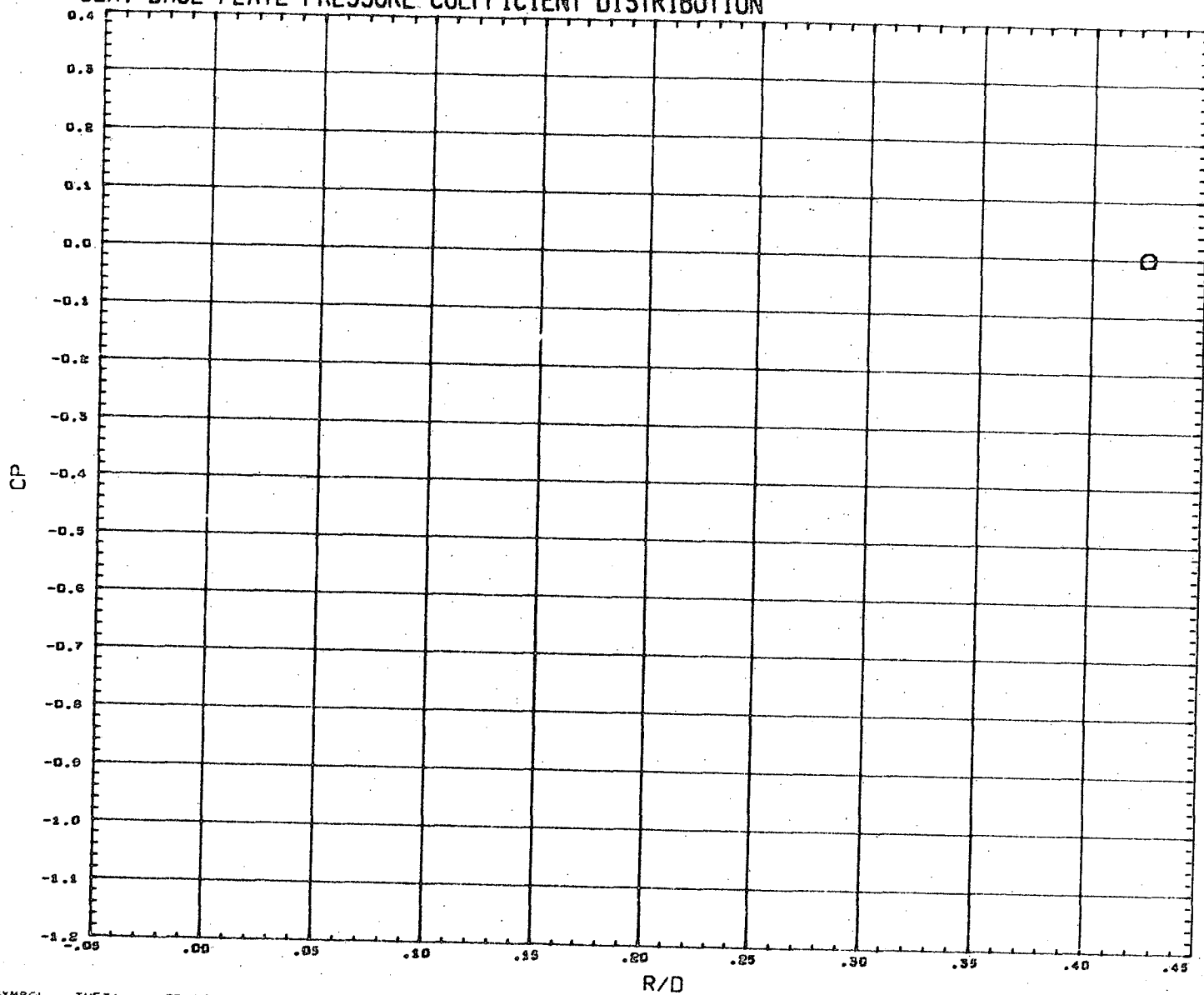
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	304.463	0.074	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000
◇	90.000									
□	135.000									
▤	174.380									
◻	269.000	0.0000000000000000	CCSD TN-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 304.463 0.074

SREF 572.557 SQ. IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

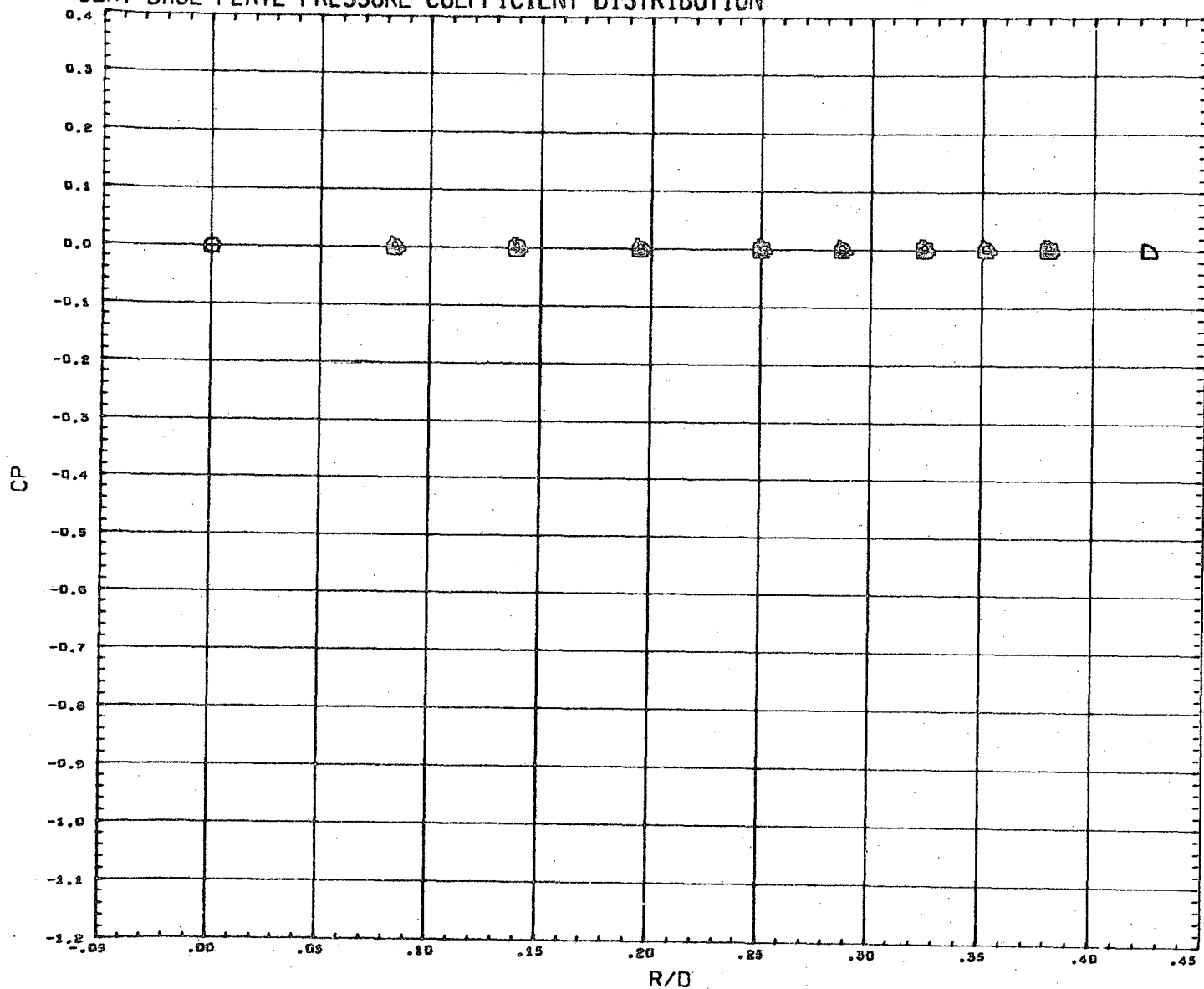
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

00000000.F000E CC09 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



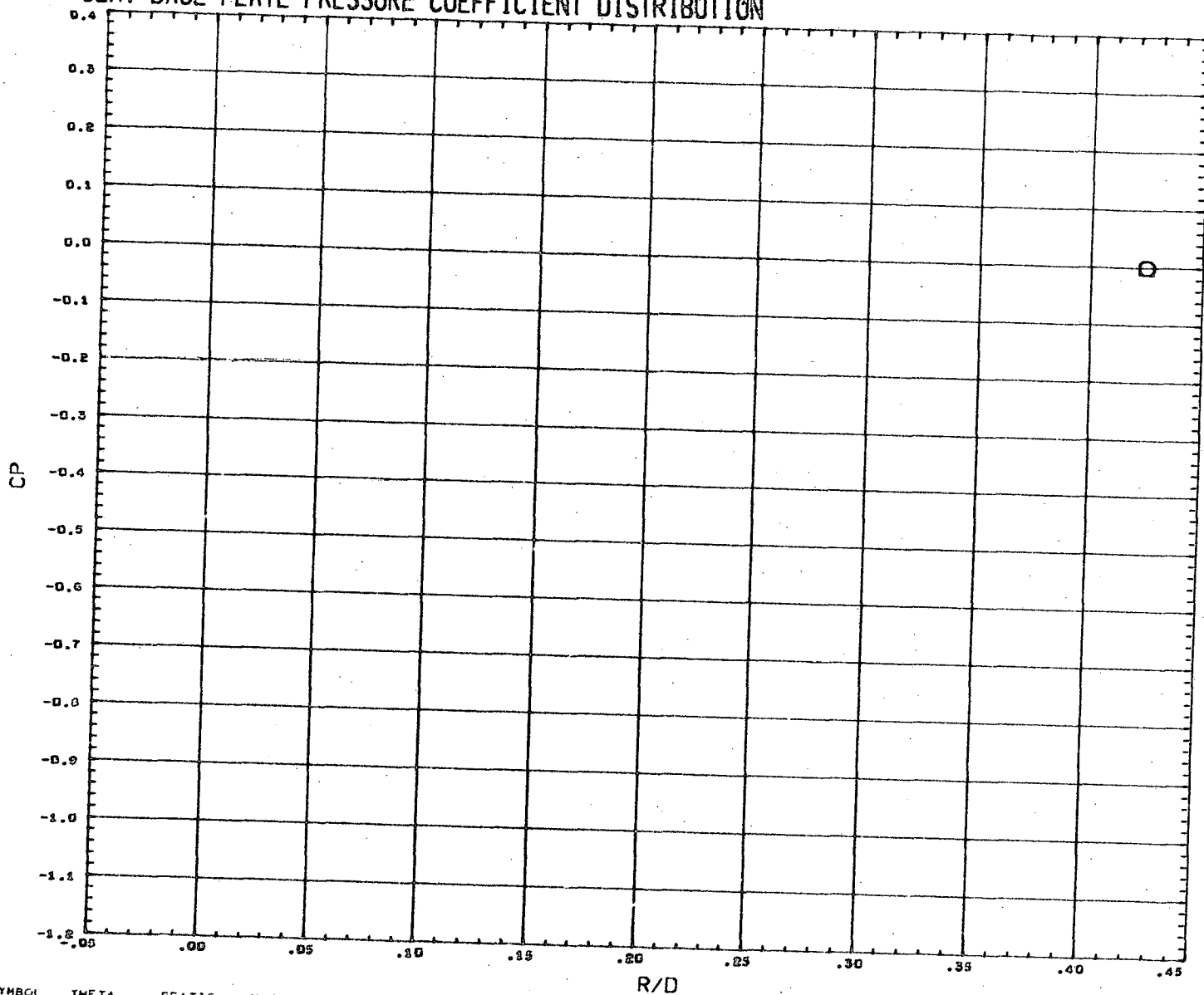
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90.000				BREF	27.000	INCHES		404.679	WS/WFC
135.000				XMRP	0.000	DIAHTR			0.000
174.380				YMRP	0.000	DIAHTR			
269.000				ZMRP	0.000	DIAHTR			

BATERBUSE.FECCOE CCOD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 401.790 0.123

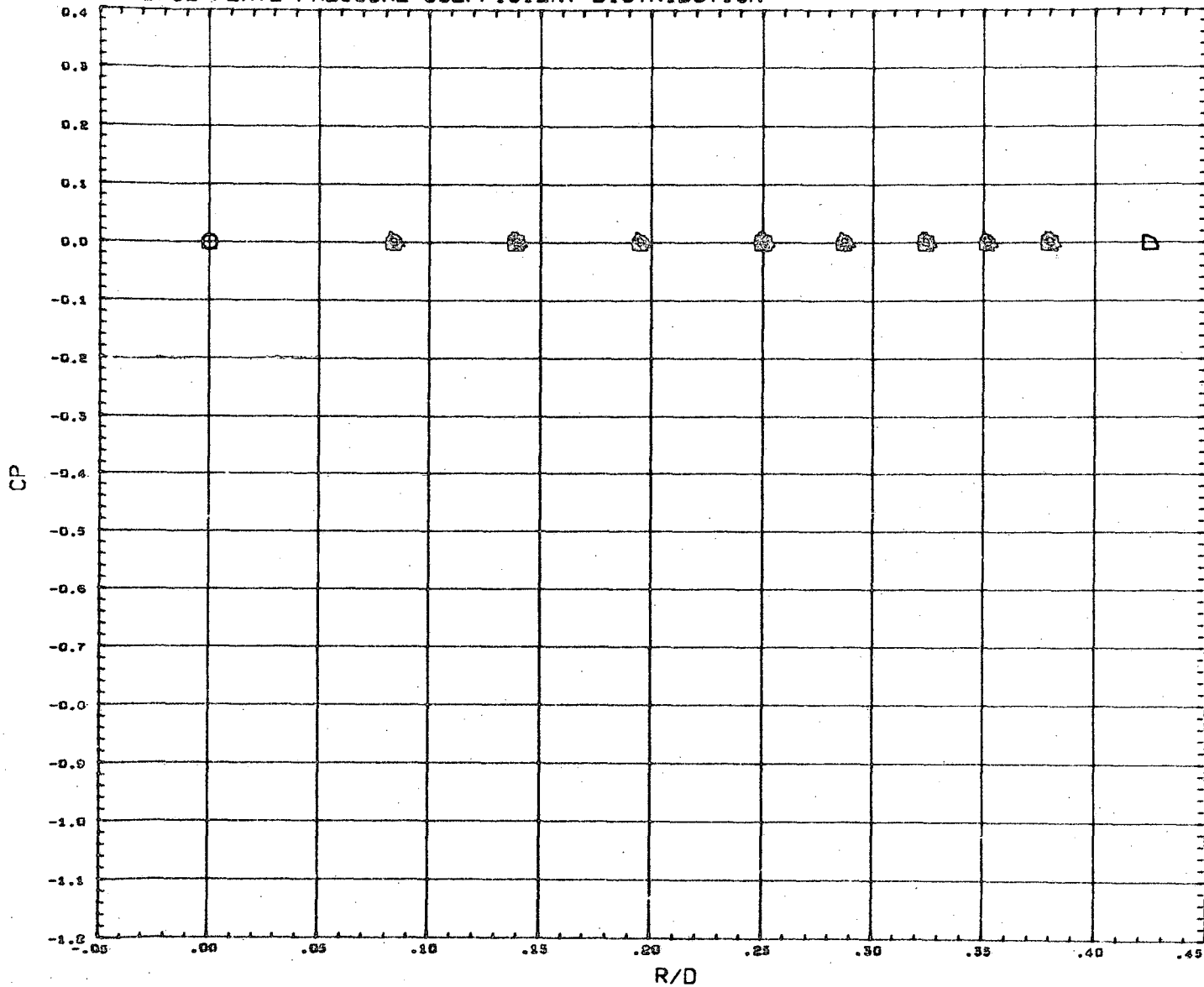
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PARAMETRIC VALUES
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00000000.F&C&E CCSD TM-AP-70-445

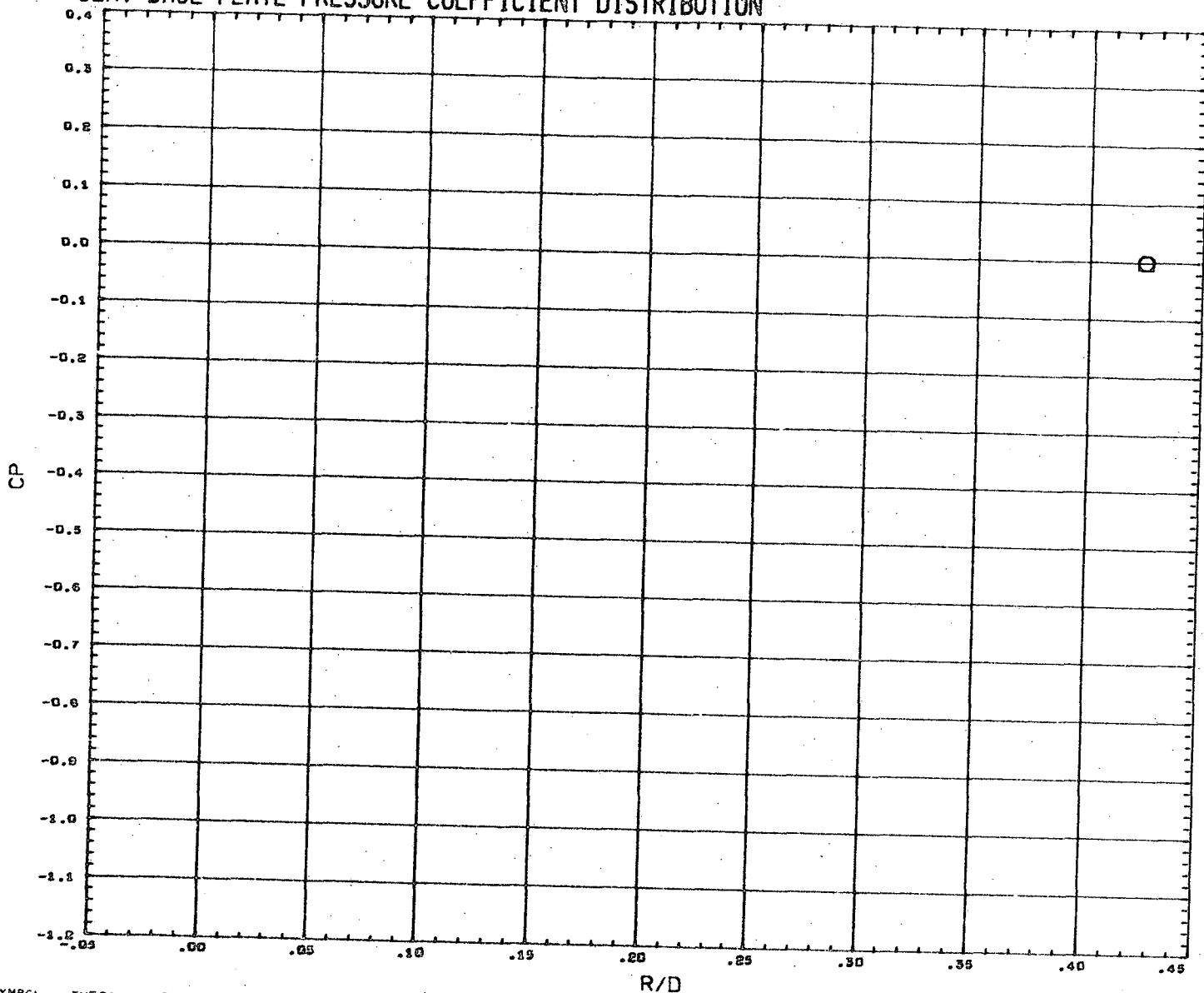
AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG, IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	481.607	0.131	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.004	0.004	0.000
◇	45.000																		
◊	90.000																		
◻	135.000																		
△	174.380																		
D	269.000	8500000.FCCGE	CCSD TN-AP-70-449																

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
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SREF 572.557 50. IN.
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BREF 27.000 INCHES
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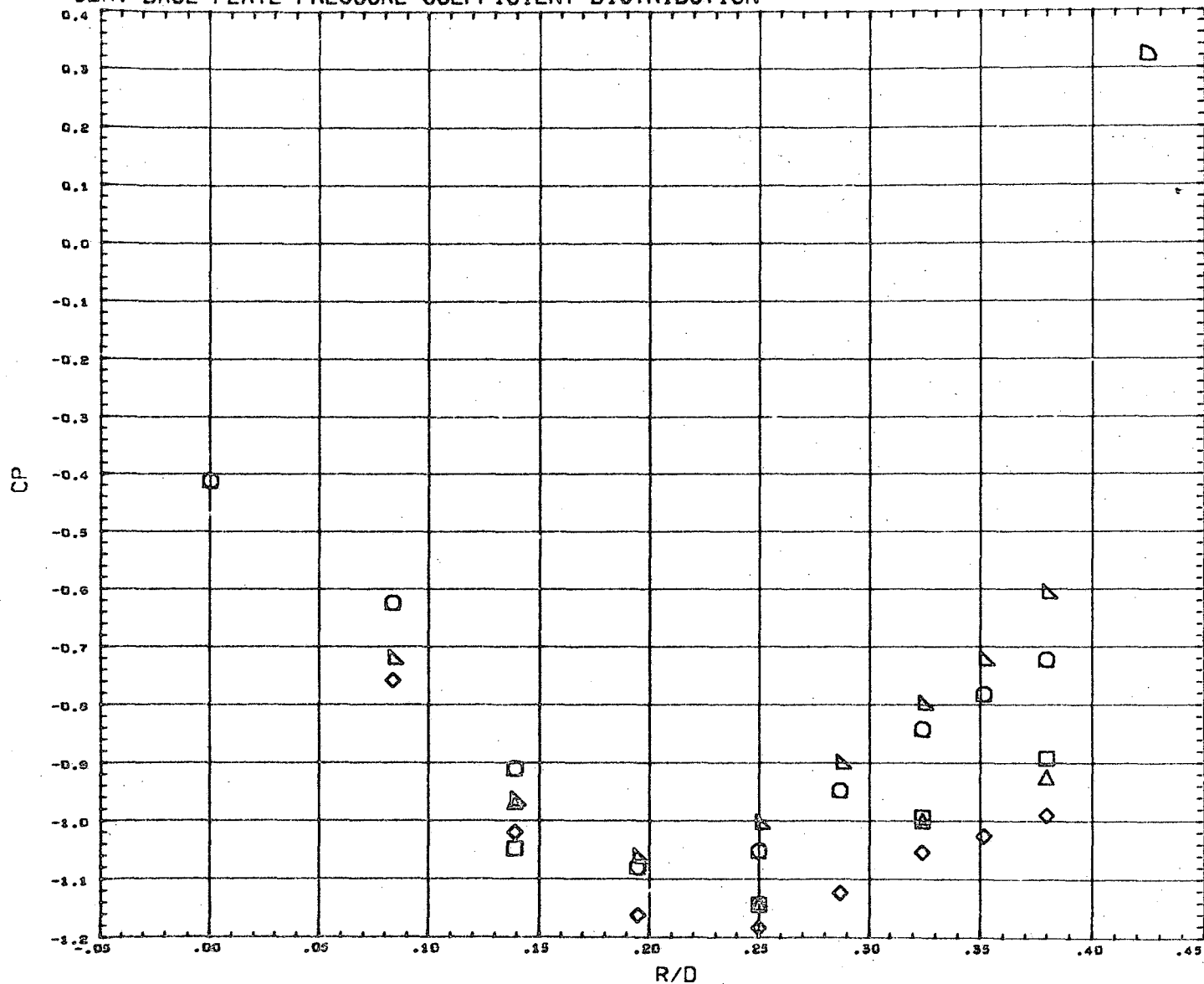
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PC 404.679 WS/WFC 0.000

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AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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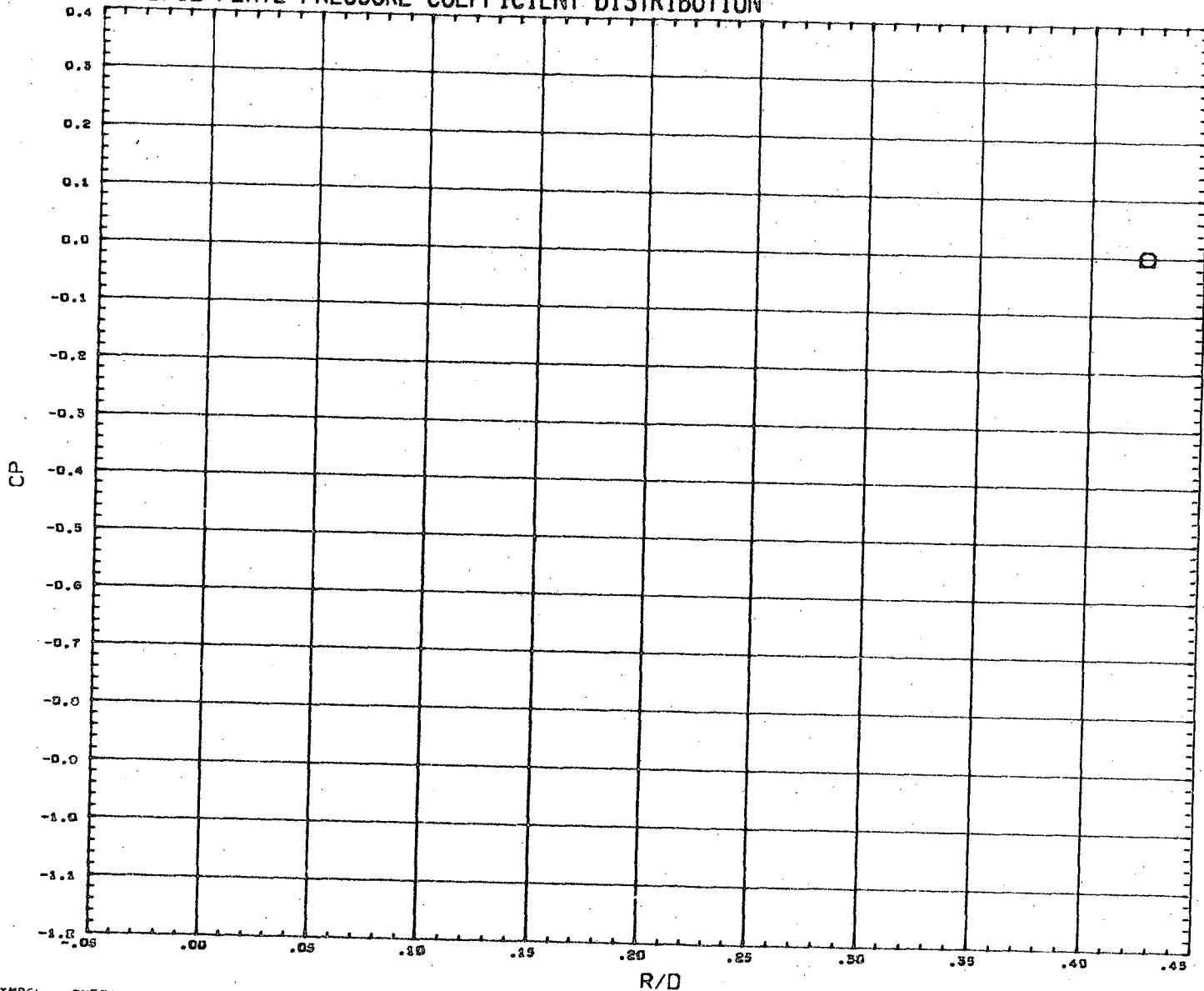
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
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△	45.000			27.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	90.000									
□	135.000									
▽	174.380									
◇	269.000									

DATA SOURCE: FPCSE CC80 IN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 359.000 201.700 0.600

SREF 572.557 58.IN.
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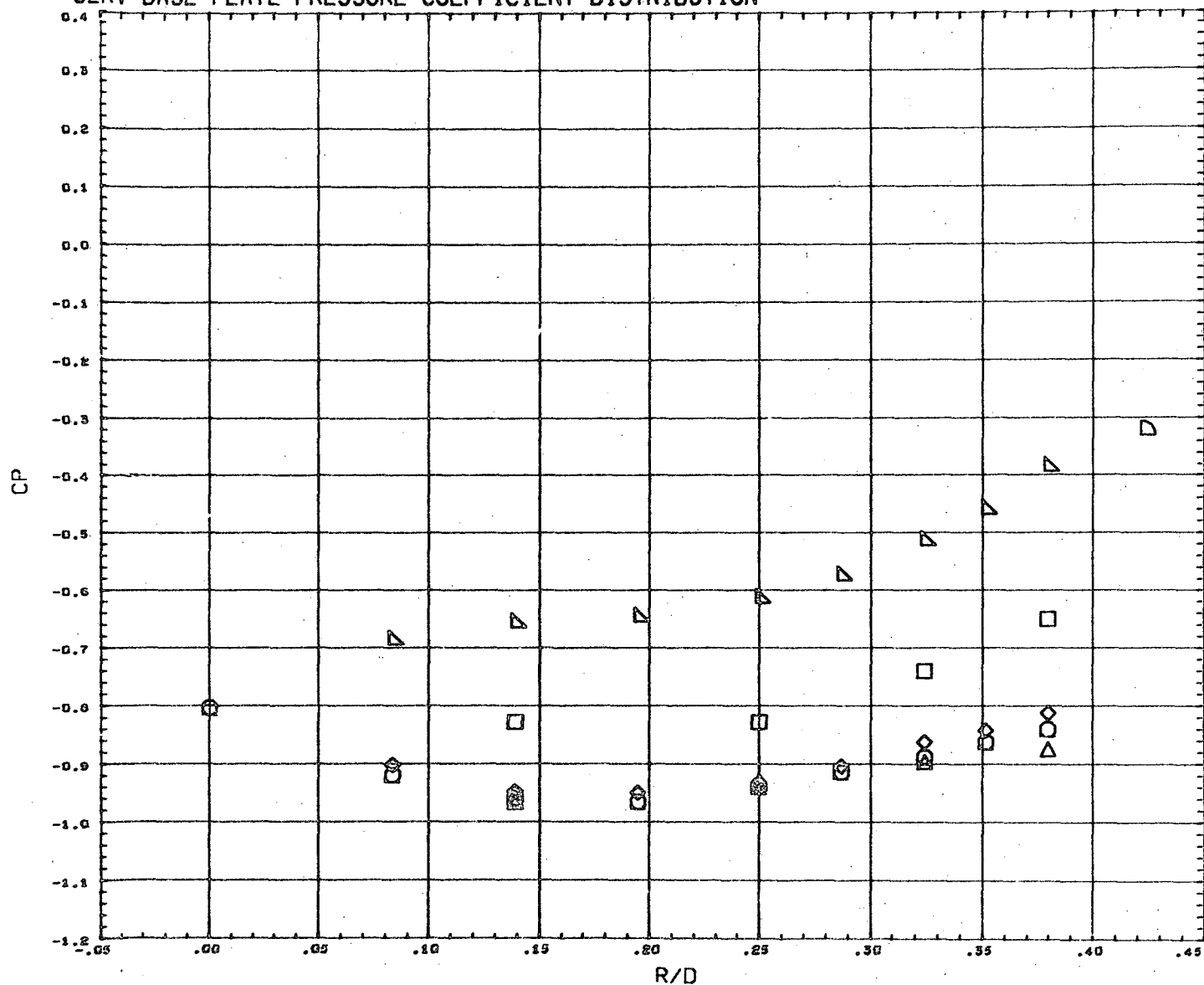
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 FC 404.679 WS/WFC 0.000

08080008.F000E CCSD TH-AP-70-446

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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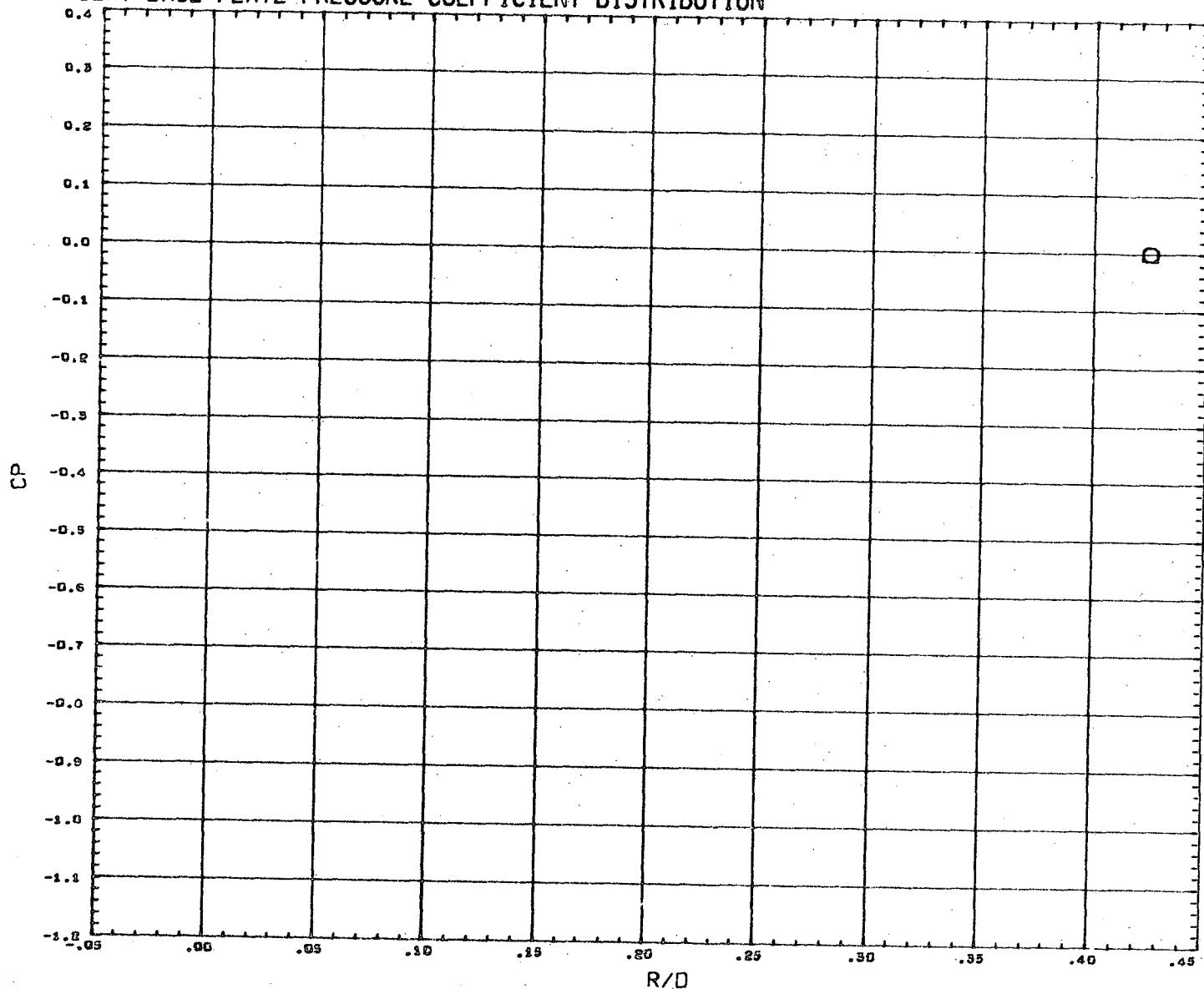
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



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◇	45.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	WS/WFC 0.000
◇	90.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	
□	135.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	
△	174.380			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	
▷	269.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	

DATA FROM: CCSD TH-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 401.290 0.598

SREF 572.557 58.1N.
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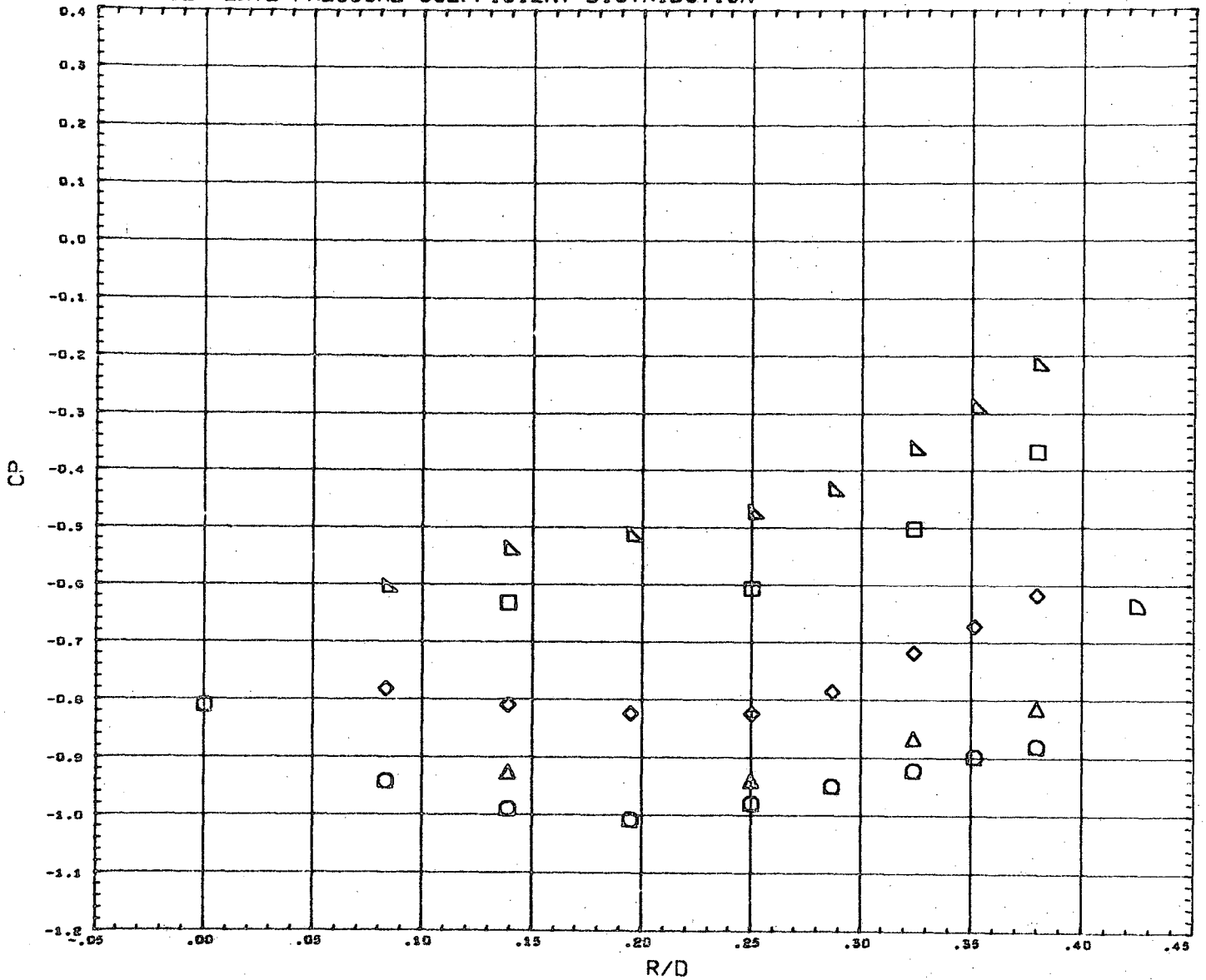
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 FC 404.679 WS/WFC 0.000

00780000.FEC3E CC80 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



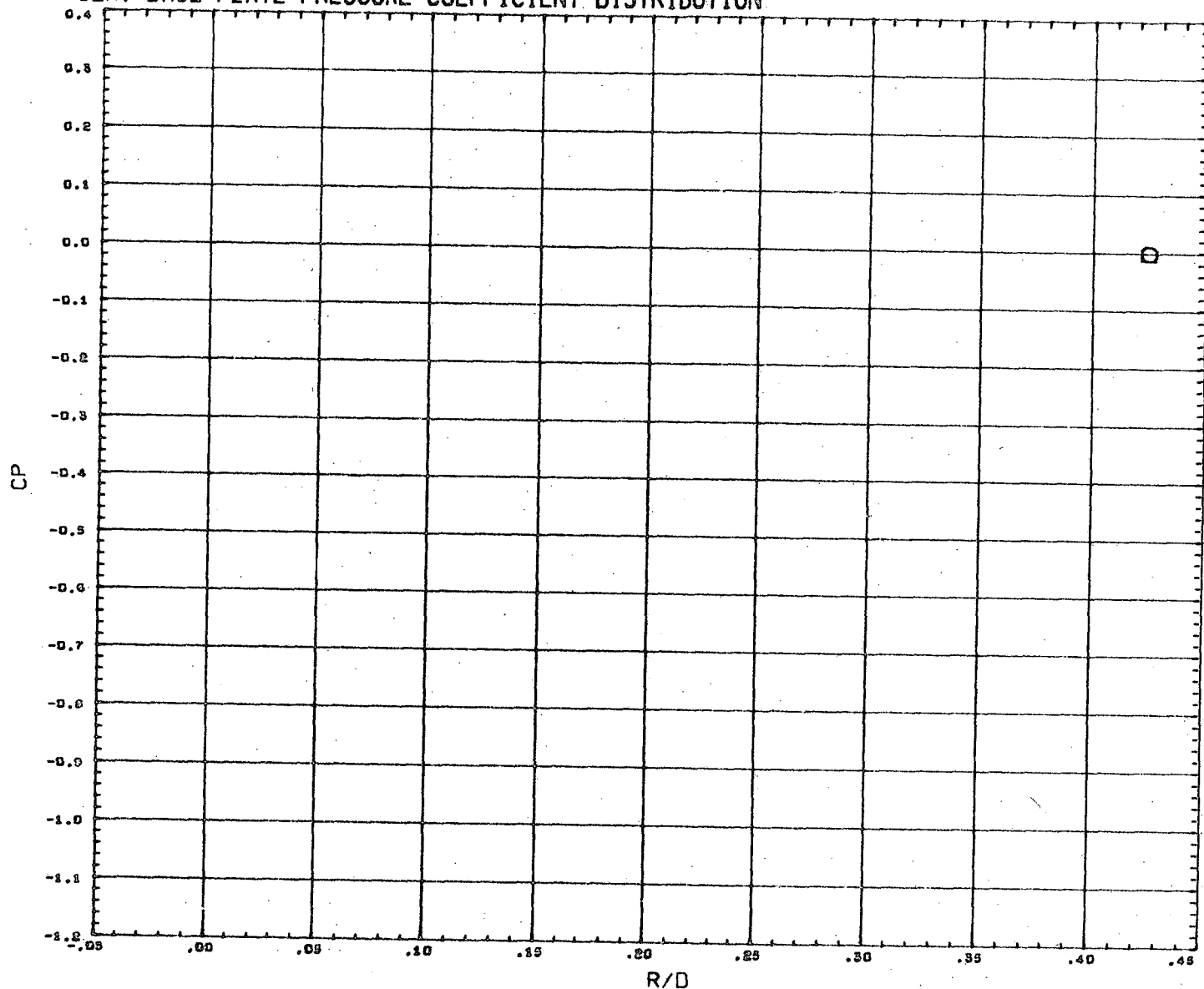
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○	45.000	576.883	0.598	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679					
△	90.000																	
◇	135.000																	
□	174.380																	
◻	269.000																	

8870R255.FCCE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 578.883 0.598

SREF 572.557 58.1N.
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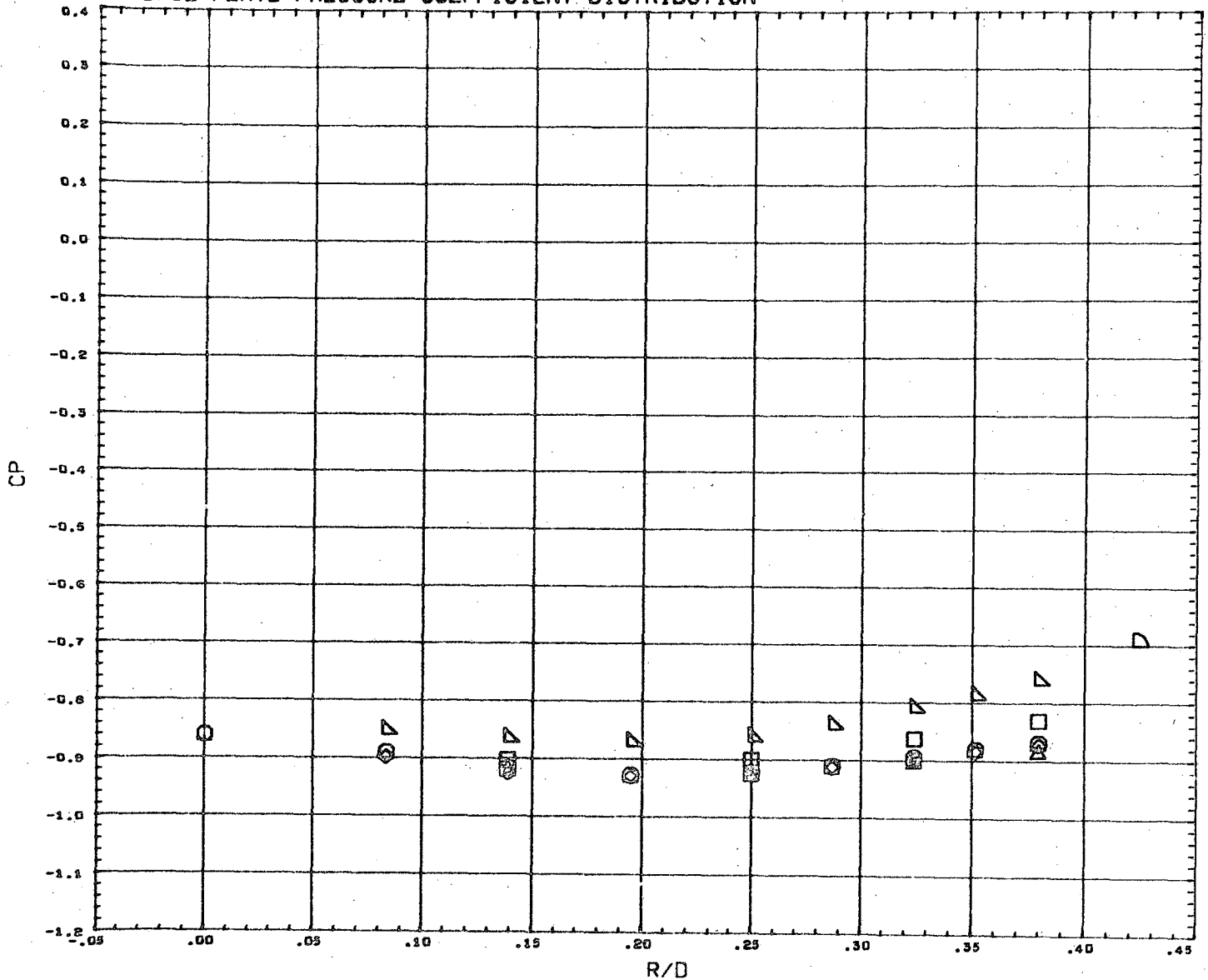
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00000000.FE00E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



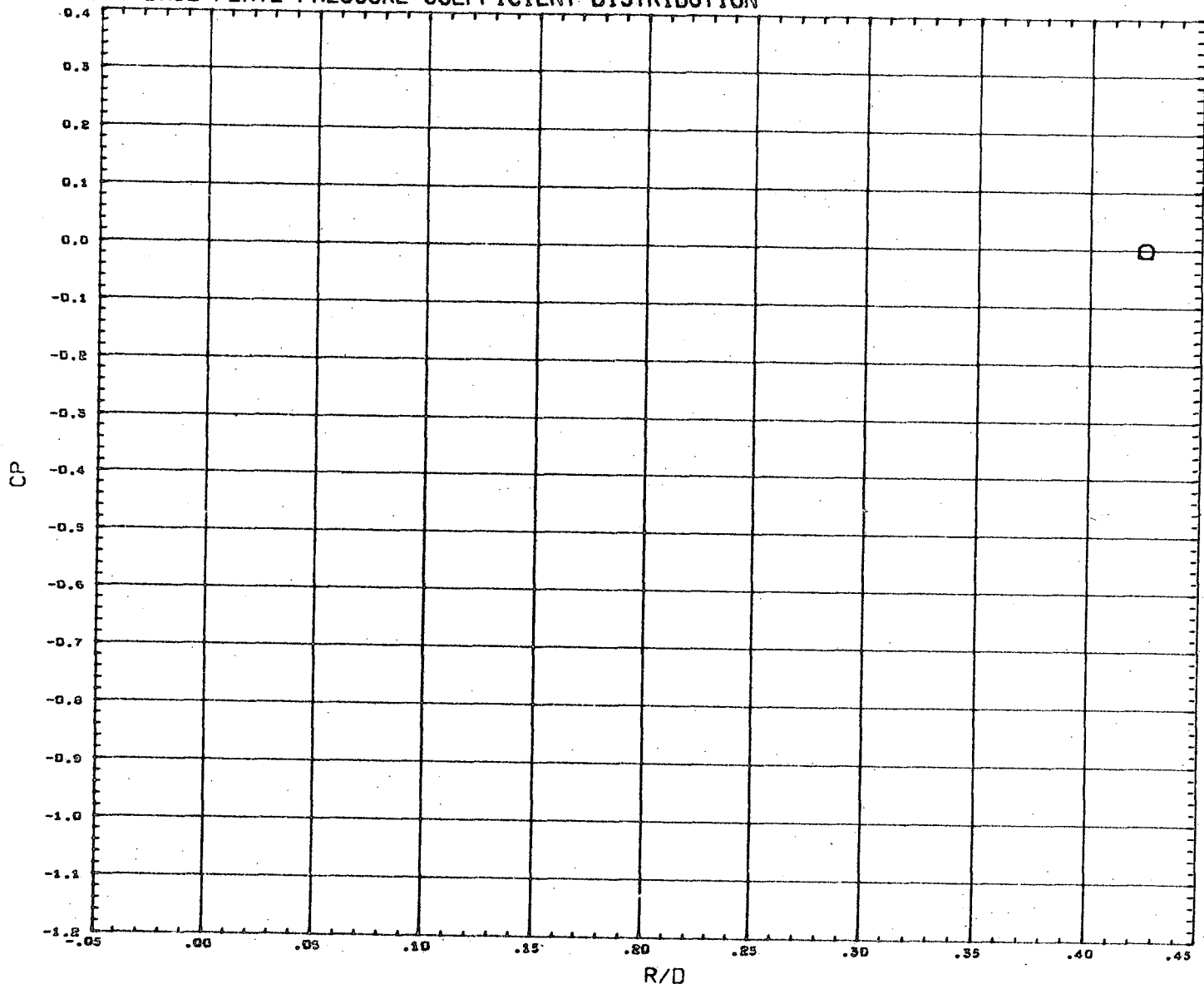
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△	45.000			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	404.679	WS/WFC	0.000
◇	90.000											
□	135.000											
▽	174.380											
◻	269.000											

087088864.F000E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 302.353 0.801

SREF 572.557 SQ.IN.
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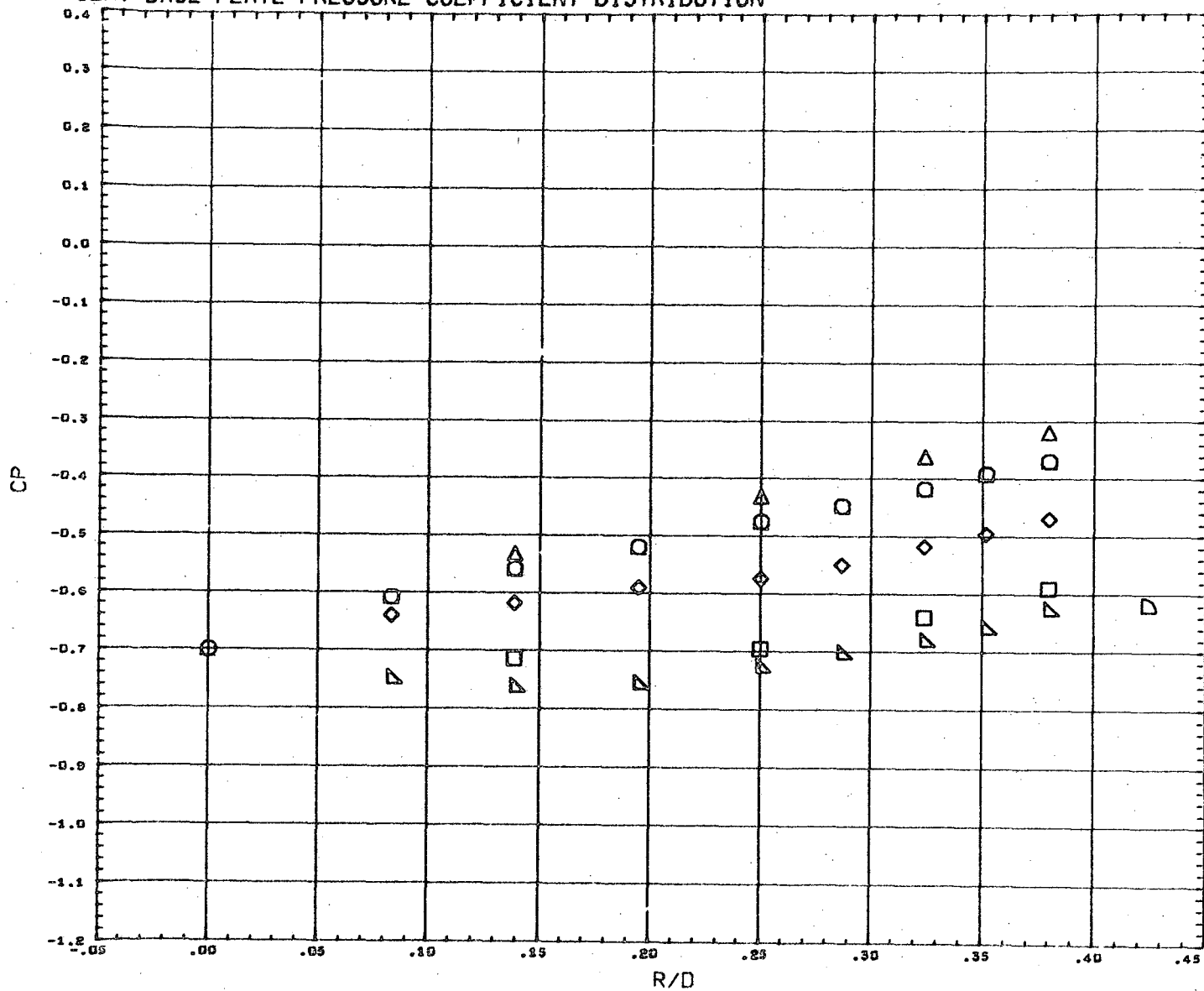
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 PC 404.679 WS/WPC 0.000

BS05R0068.FIG08E CCSD TN-AP-70-049

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

PAGE 528

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



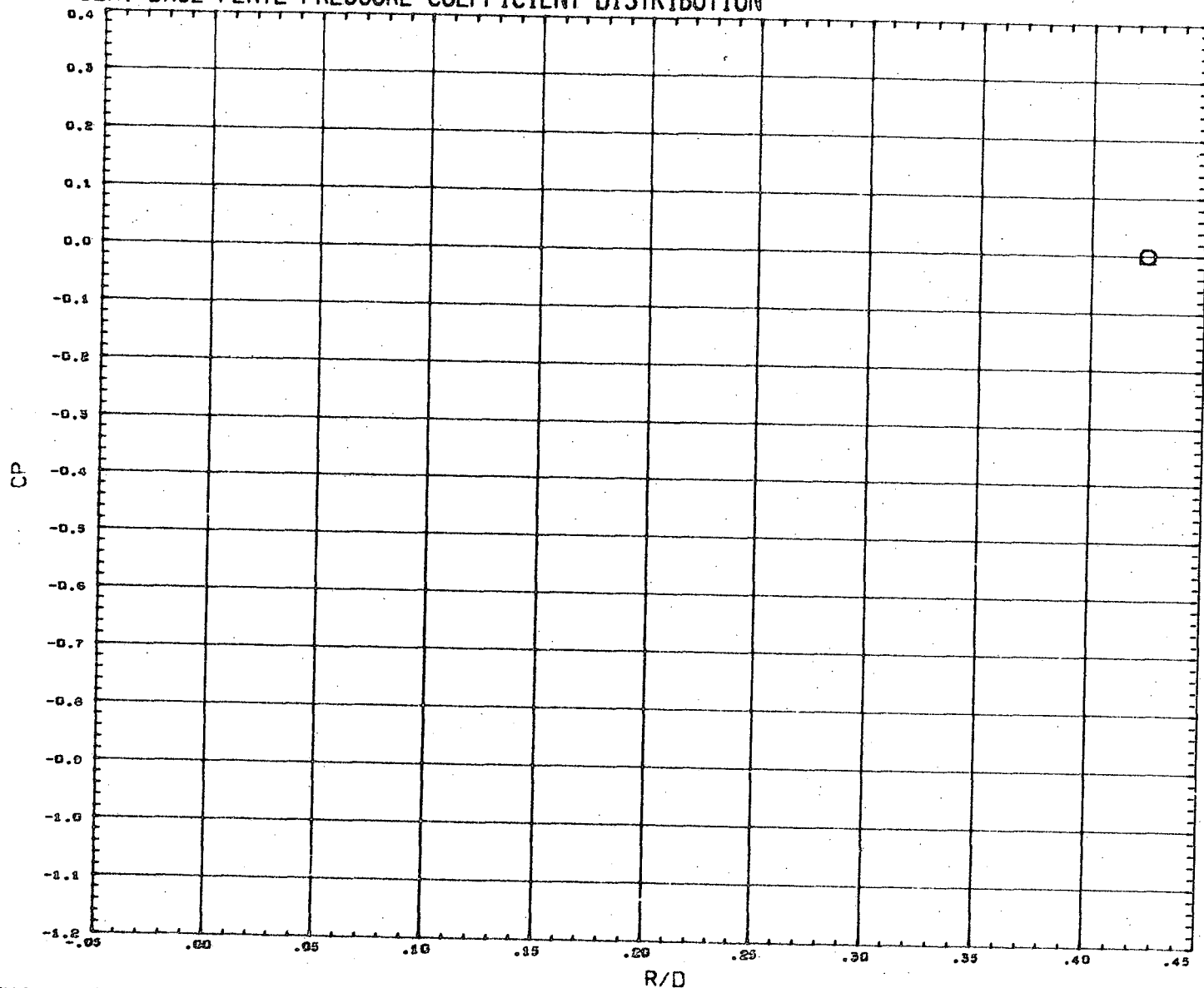
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△	45.000													
◇	90.000													
◻	135.000													
◼	174.380													
◊	269.000													

DATA BASE FILE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 ○ 309.000 400.087 0.798

SREF 572.557 58.1N.
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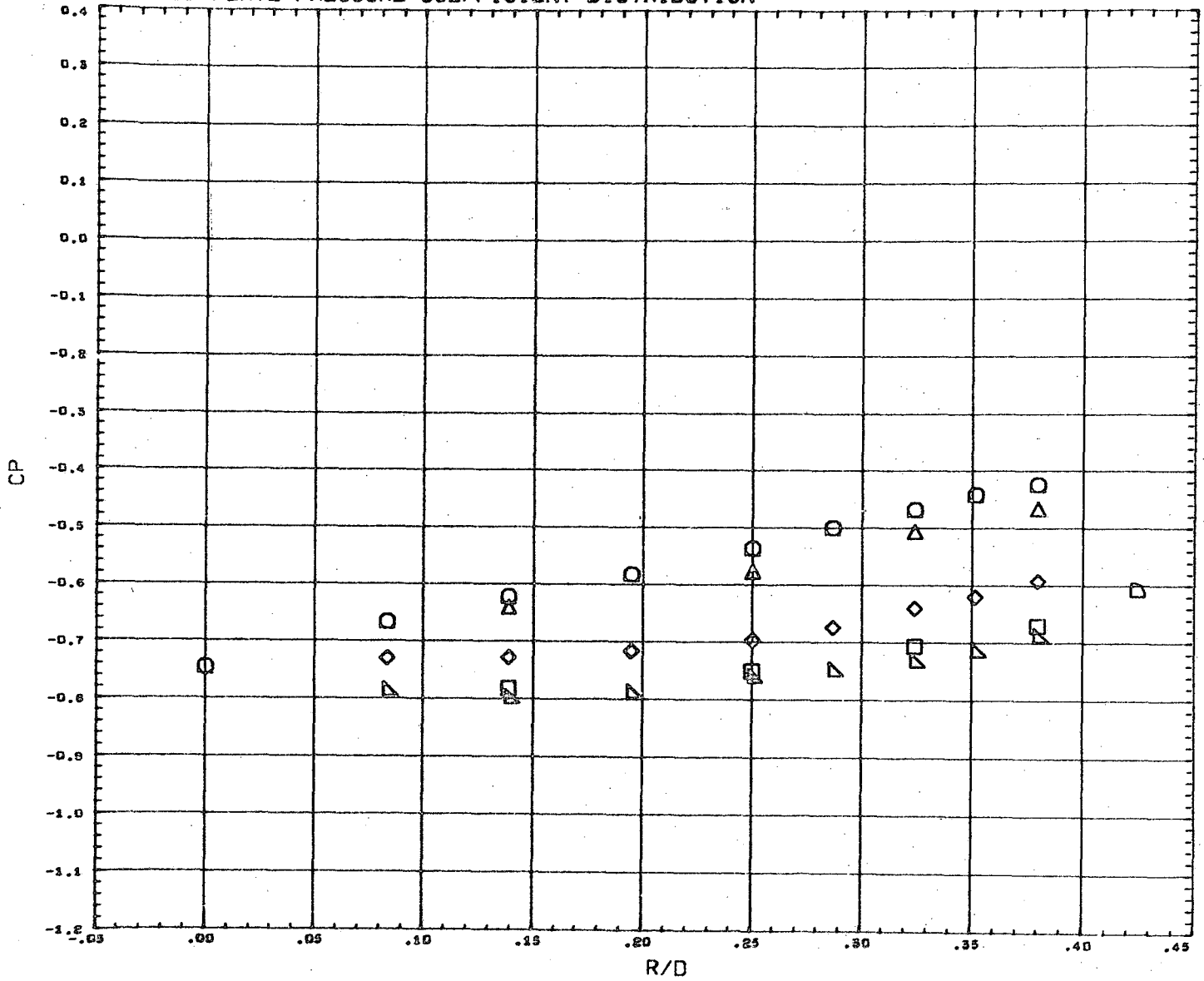
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00000000.F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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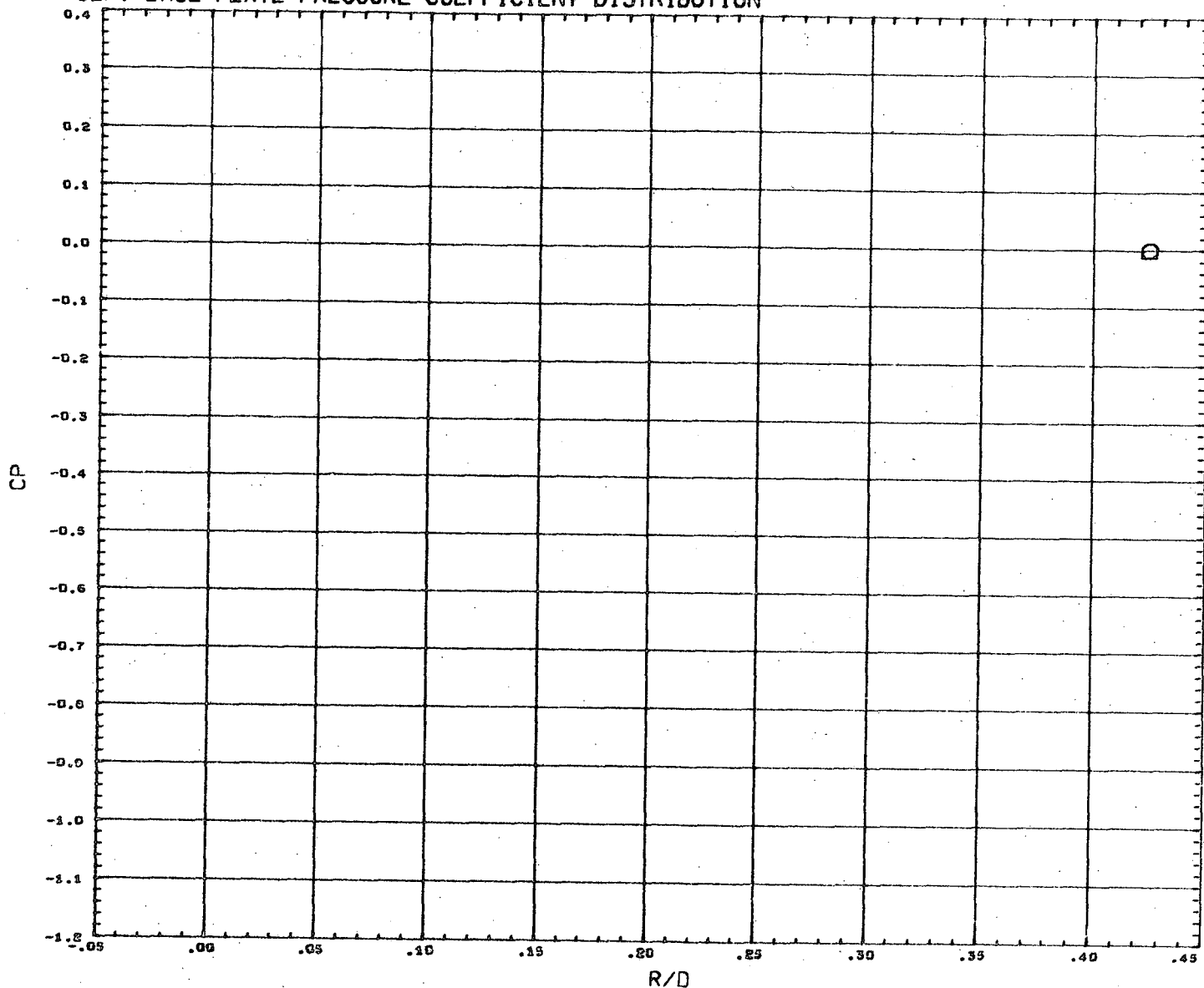
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
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◇	90.000			XMRP	0.000	DIAMTR				
◊	135.000			YMRP	0.000	DIAMTR				
◡	174.380			ZMRP	0.000	DIAMTR				
◢	269.000	0.000	0.000							

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \square THETA 309.000 PRATIO 499.307 MACH 0.799

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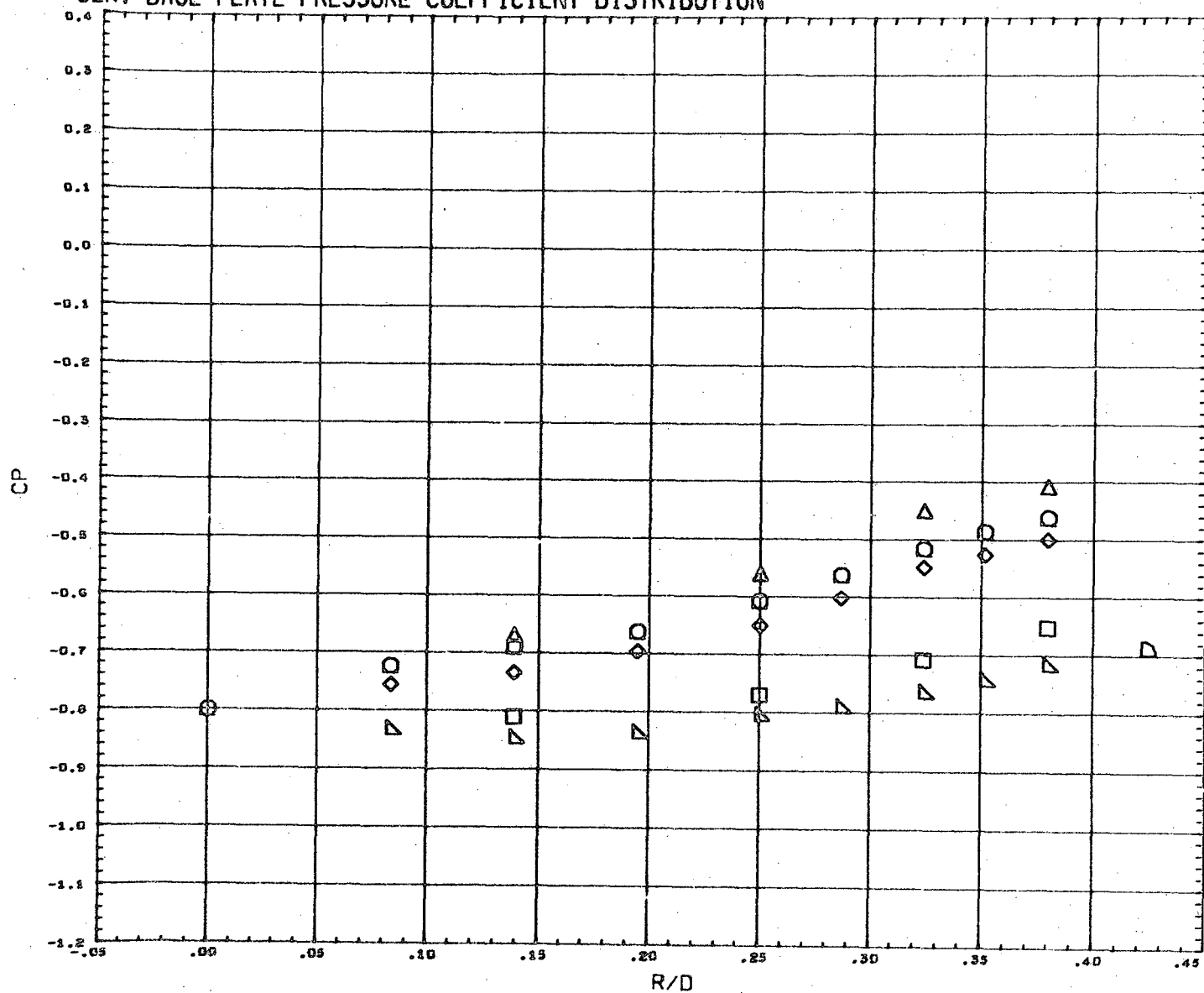
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PC 404.679 WS/WPC 0.000

DATA8000.FCLSE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



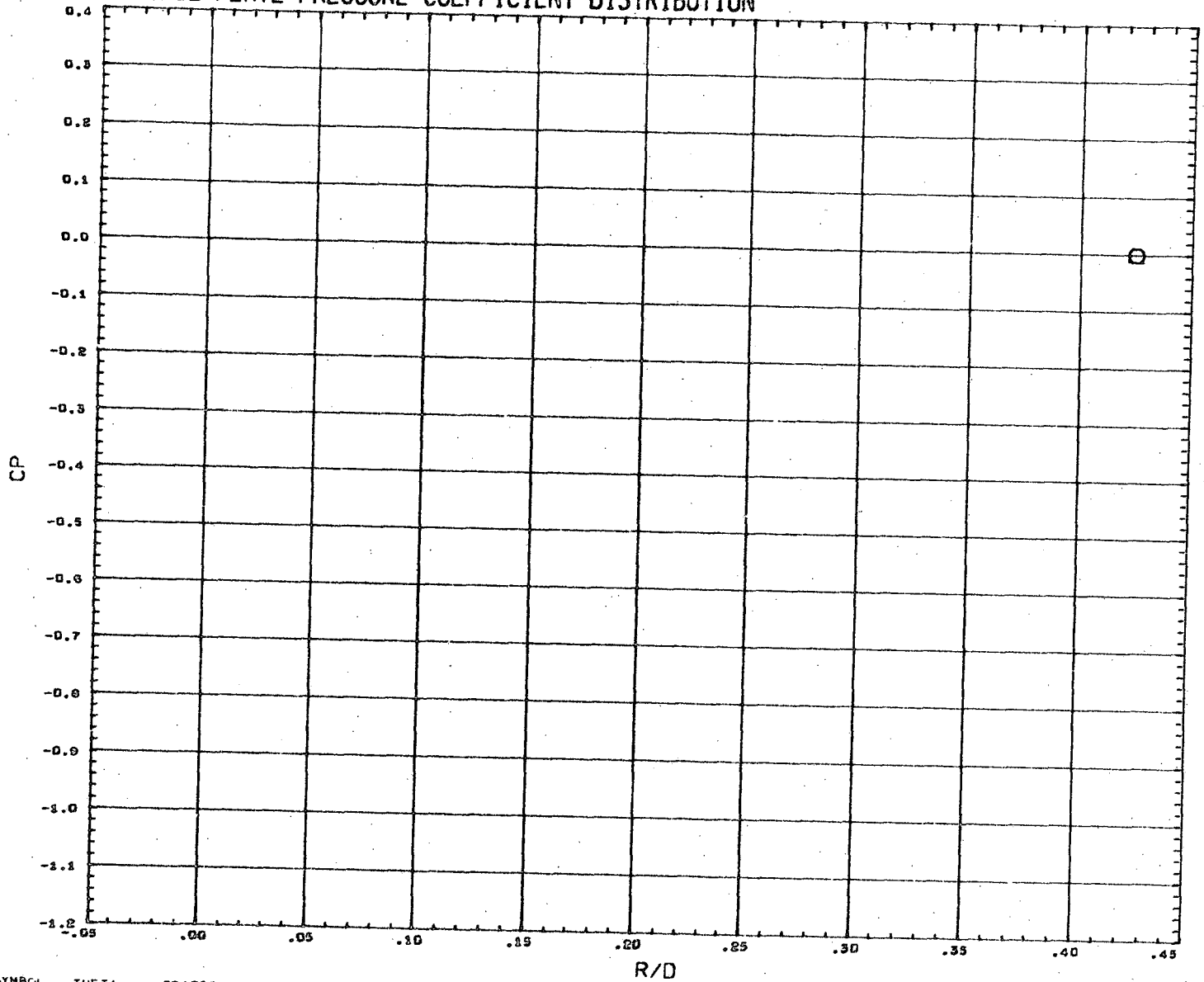
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△	45.000																			
◇	90.000																			
◻	135.000																			
◼	174.380																			
◻	269.000																			

0810R0303.F003E CCSD TH-AP-70-445

AECC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 399.000 668.802 0.803

SREF 572.557 SQ.IN.
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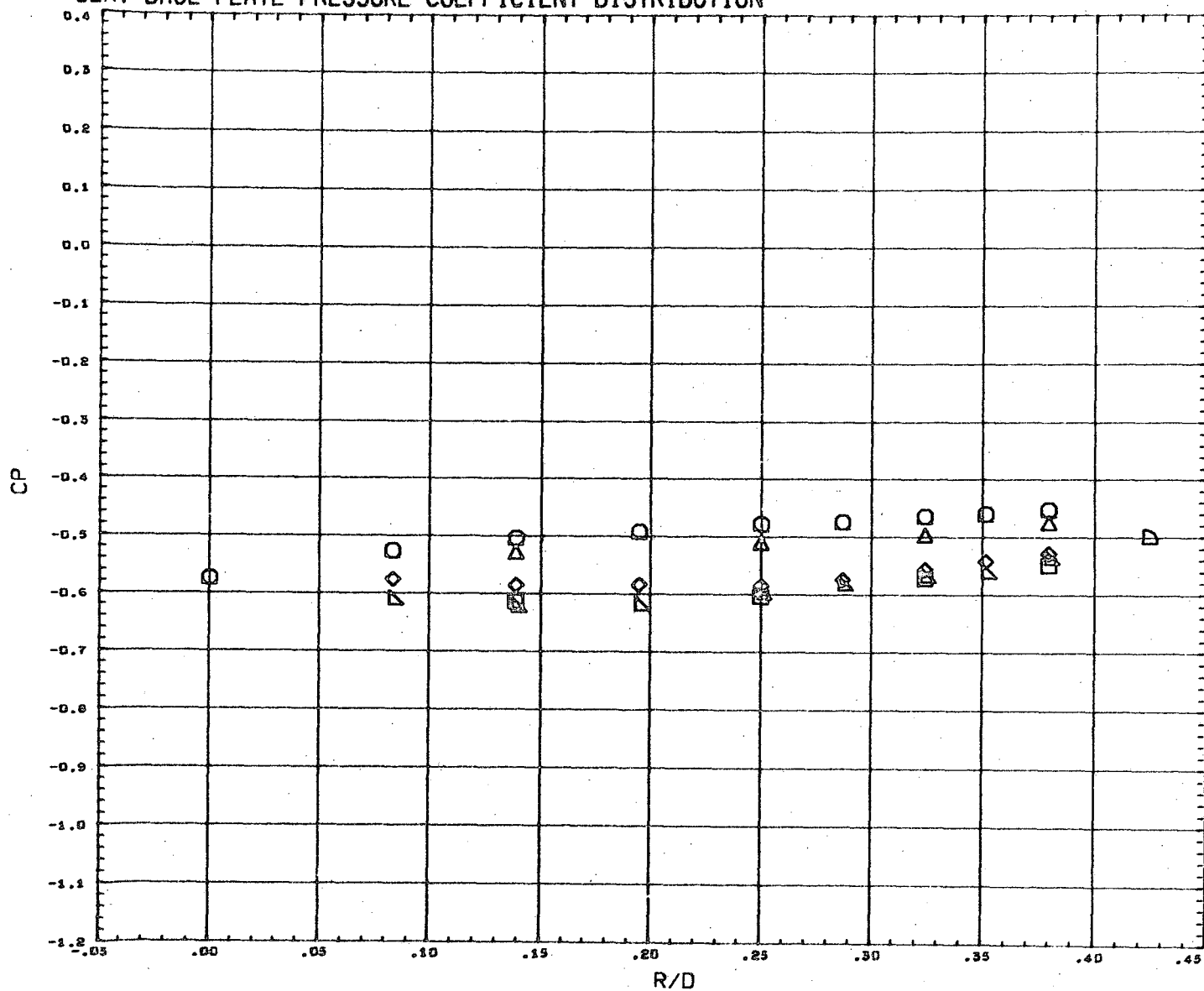
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 FC 404.679 WS/WFC 0.000

DATA0806E.F603E CCSD TM-AP-78-408

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



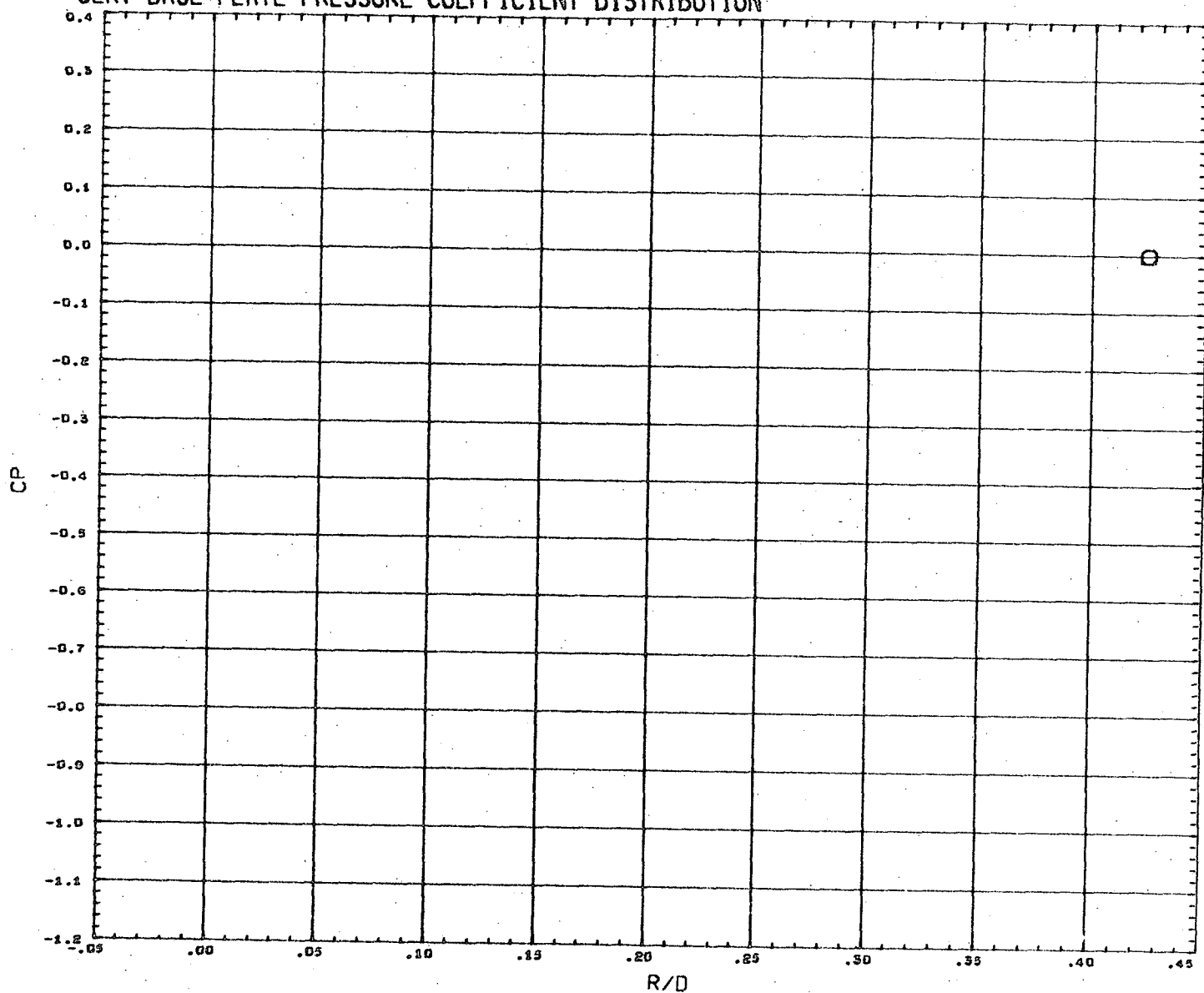
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○	5.620	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	59. IN.	INCHES	INCHES	DIANTR	DIANTR	DIANTR	0.000	404.679	0.004	0.004	0.000
◇	45.000																			
◇	90.000																			
◇	135.000																			
◇	174.380																			
◇	269.000																			

DATA SOURCE: FEUSE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 306.157 0.905

SREF 572.557 SQ. IN.
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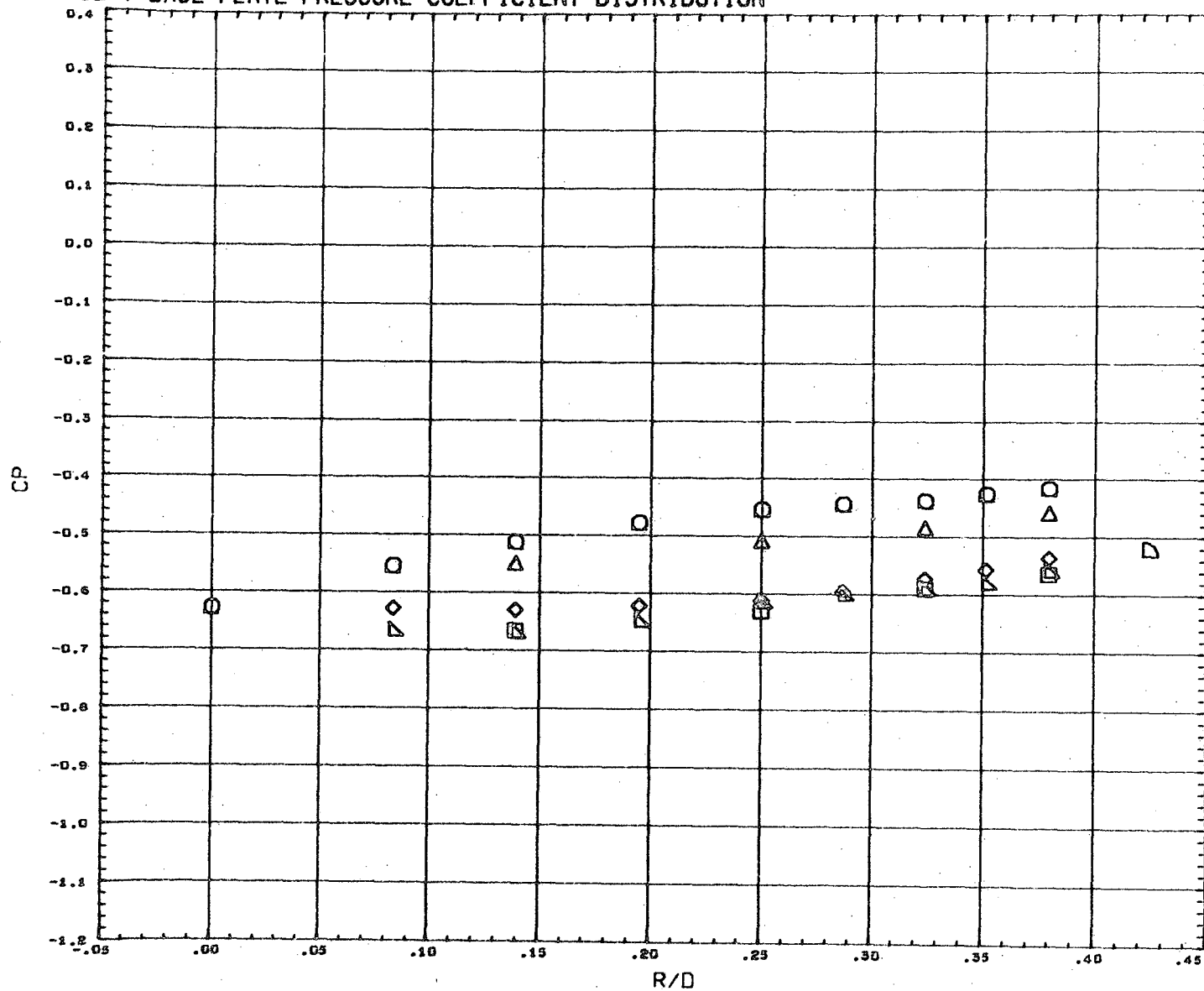
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DBTGR0005.F002E CC00 TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



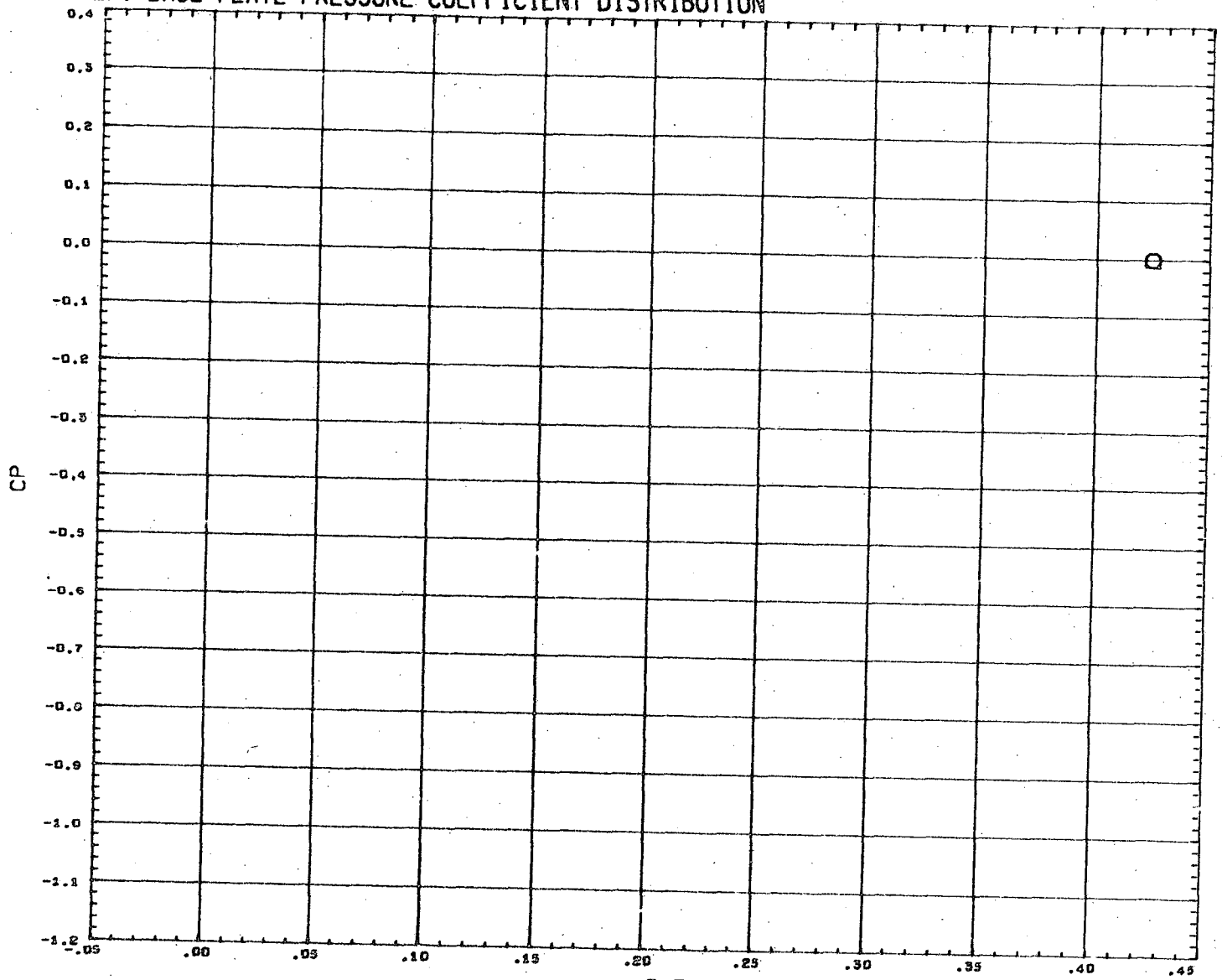
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◇	45.000			27.000	27.000	0.000	0.000	0.000	0.000	FC 404.679 WS/WFC 0.000
□	90.000									
△	135.000									
▽	174.380									
◊	269.000	0.000000	0.000							

CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 399.707 0.900

SREF 572.557 50-IN.
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 BREF 27.000 INCHES
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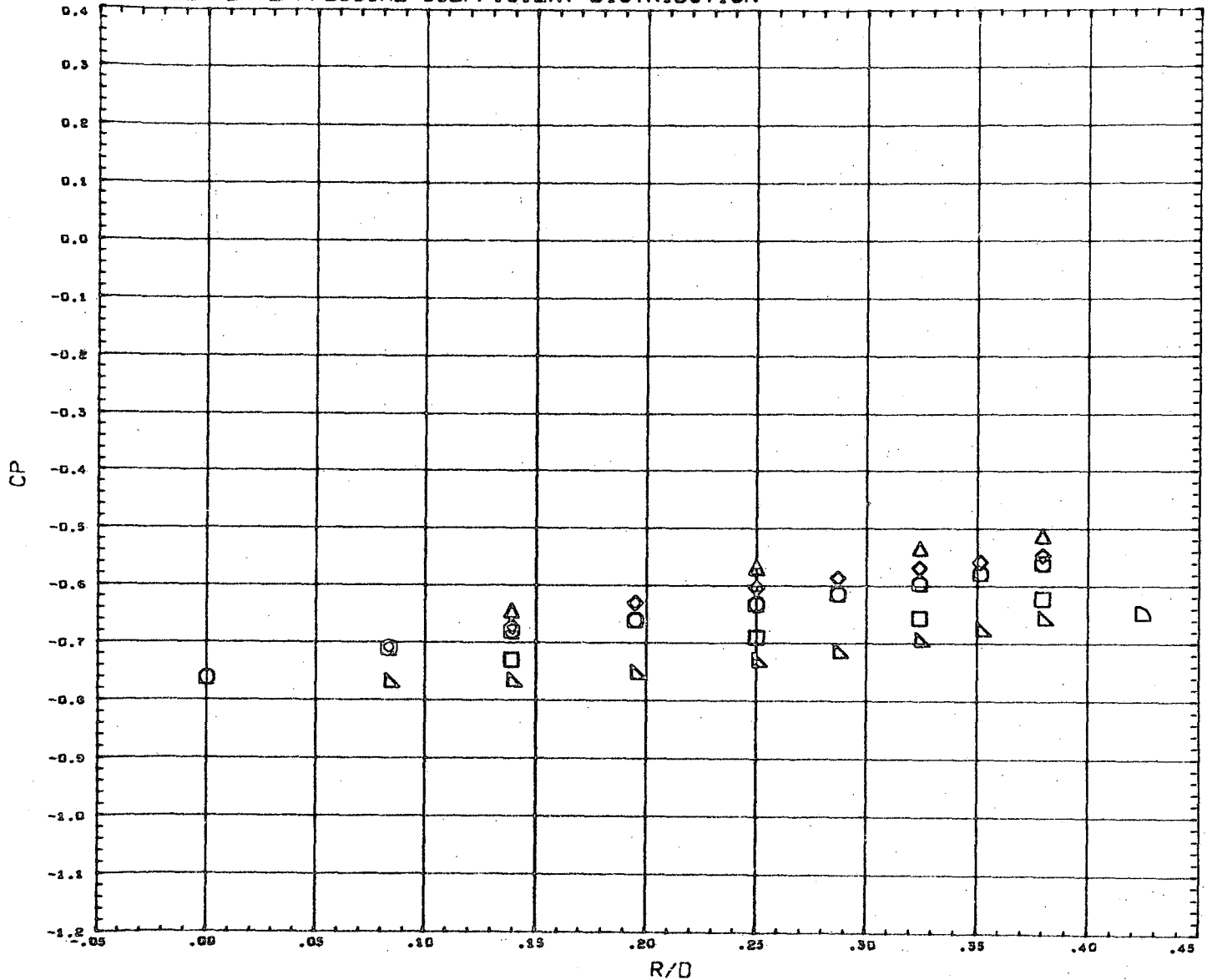
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 PC 404.679 WS/WFC 0.000

00000000.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

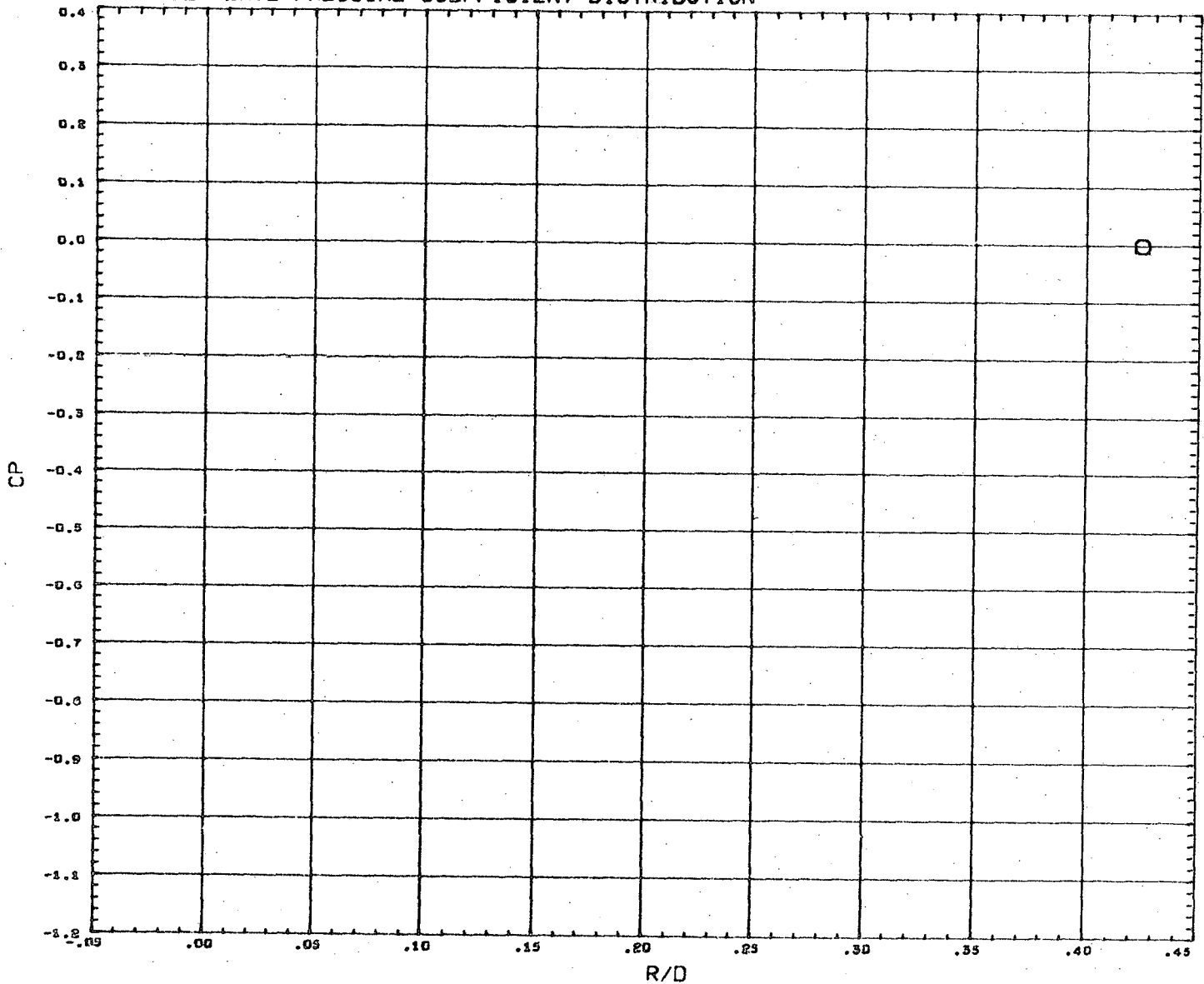


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◇	45.000			50.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
□	90.000			135.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
△	135.000			174.380	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
◇	174.380			269.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
◇	269.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 600.200 0.895

SREF 572.557 SQ-IN.
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 BREF 27.000 INCHES
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 YNRF 0.000 DIAMTR
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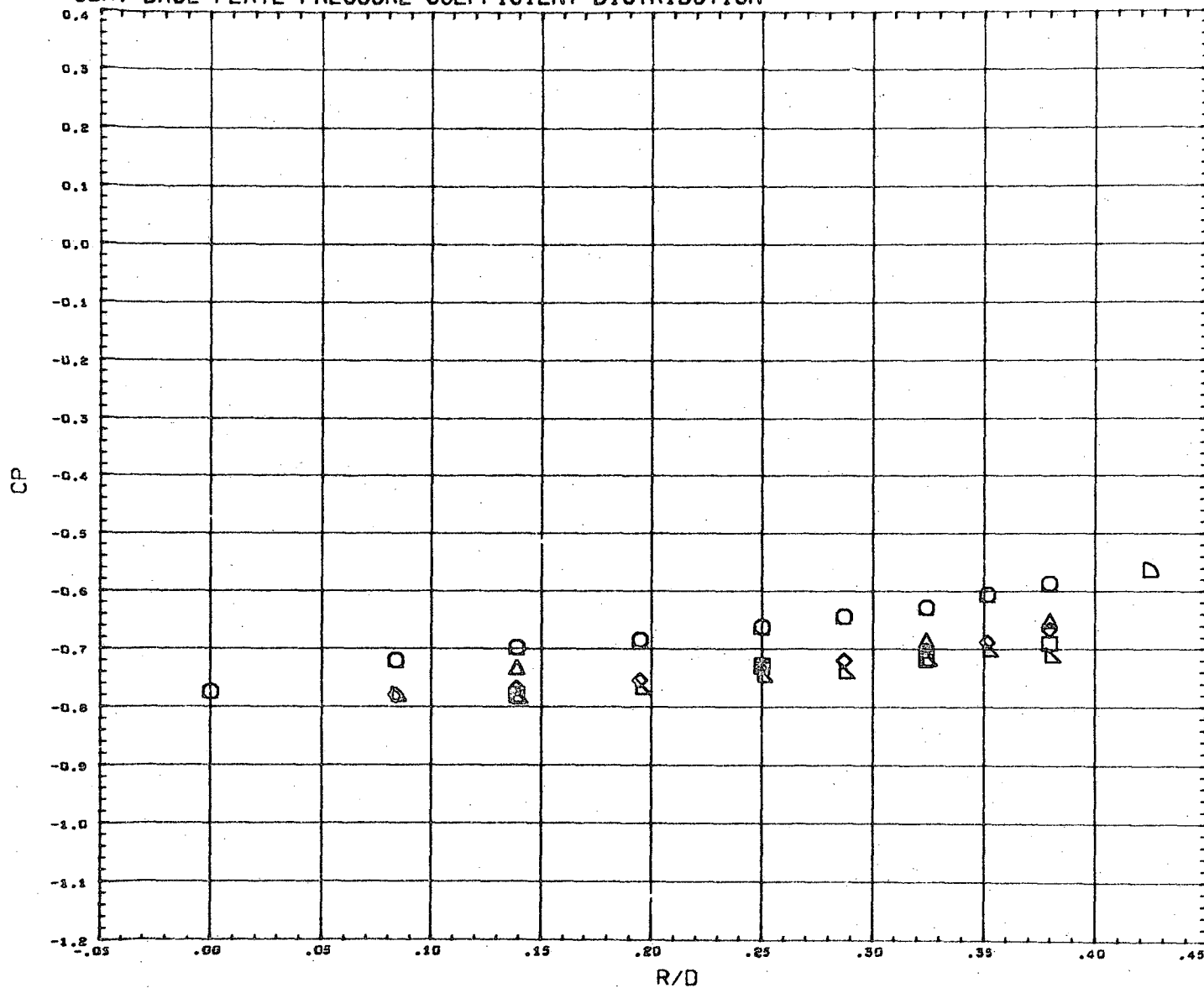
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

0070R0066.FE60E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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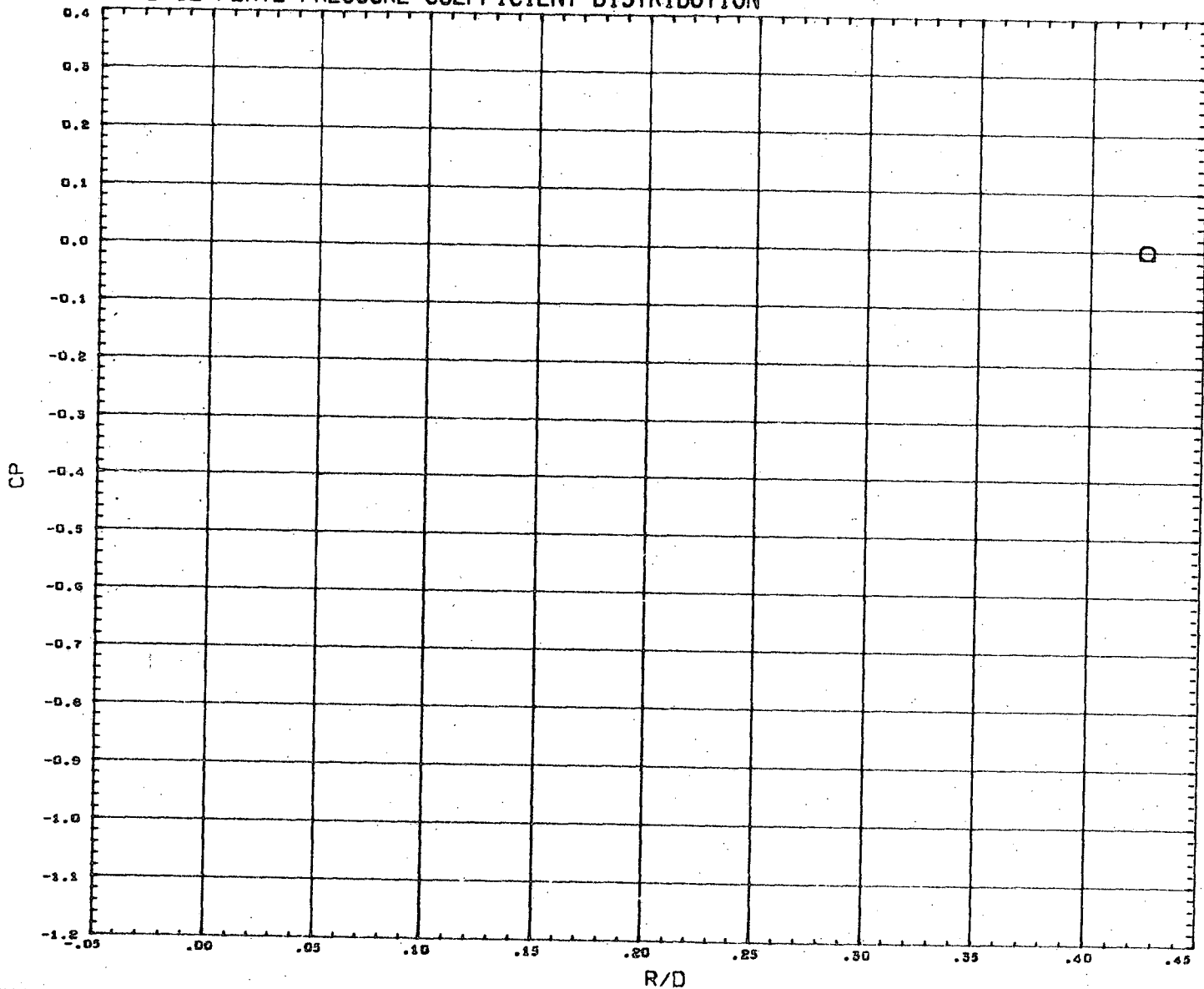
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES
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◇	45.000			59.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
△	90.000											
□	135.000											
▽	174.300											
D	269.000											

DB75R0006.FEC0E CC60 TW-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 812.557 0.902

SREF 572.557 SQ. IN.
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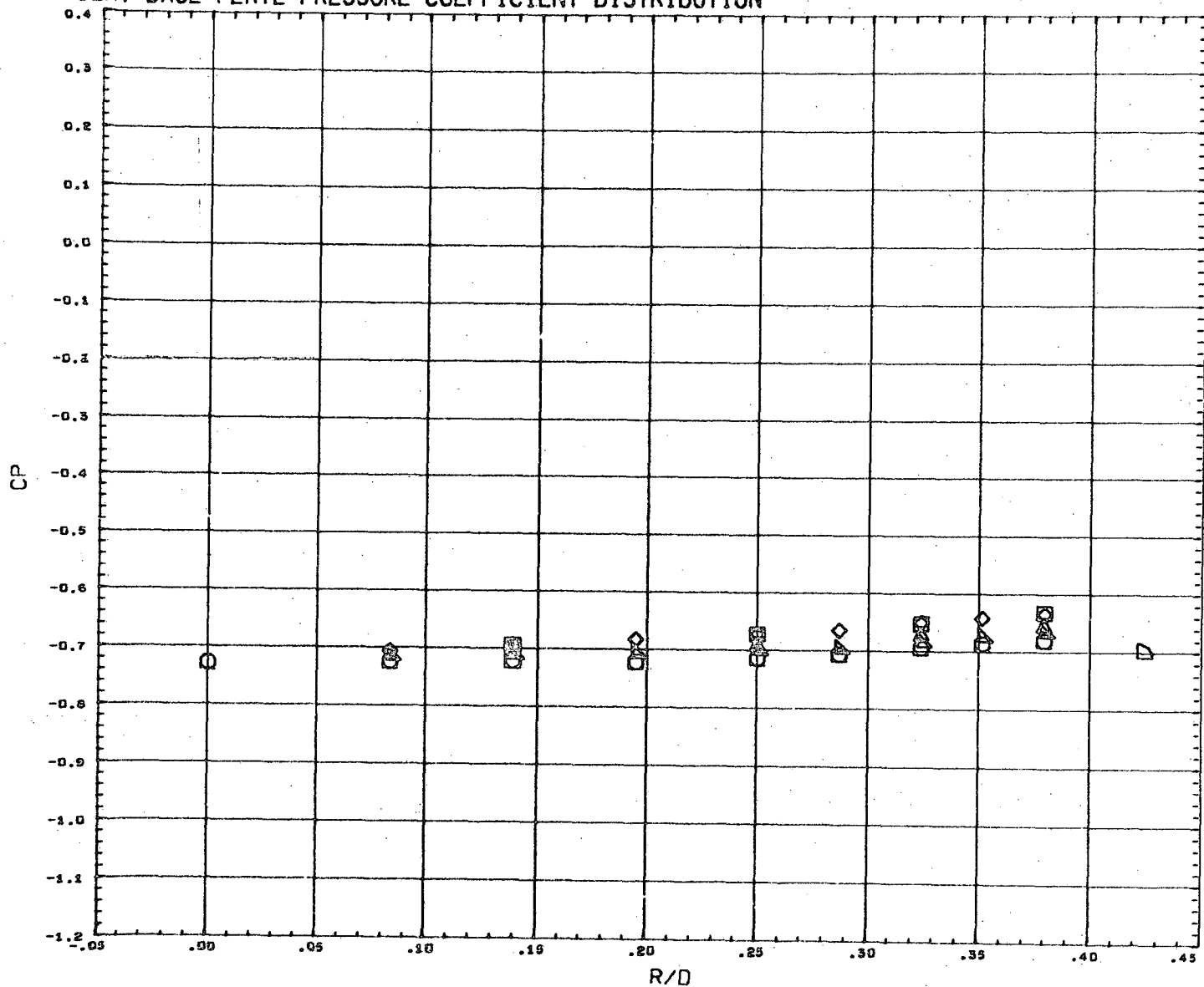
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 PC 404.679 WS/WFC 0.000

007080000.FCCSE CCSD TN-AP-70-443

AEOC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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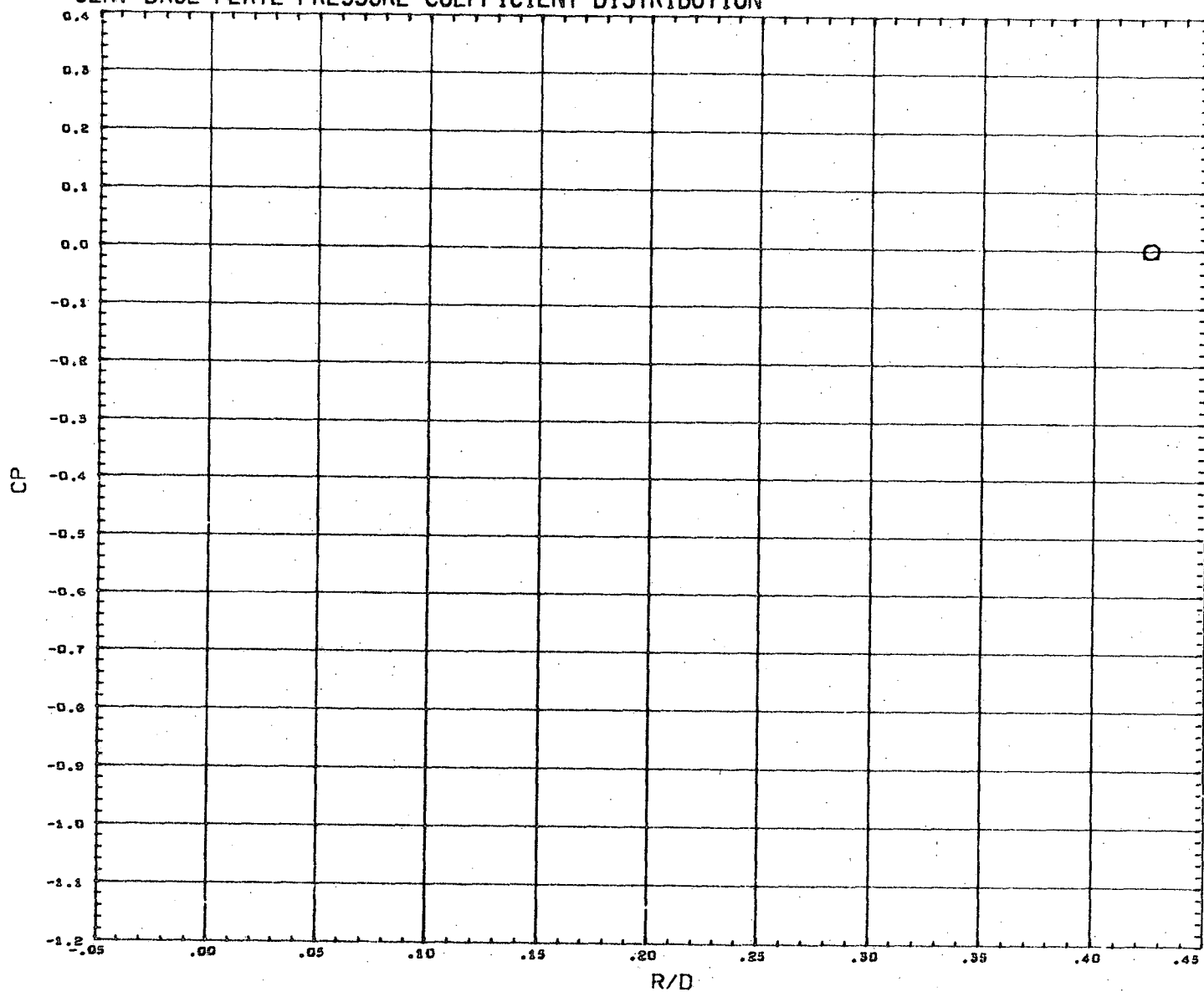
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



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◇	90.000			XMRF	0.000	DIAMTR			
◇	135.000			YMRF	0.000	DIAMTR			
◇	174.380			ZMRF	0.000	DIAMTR			
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AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



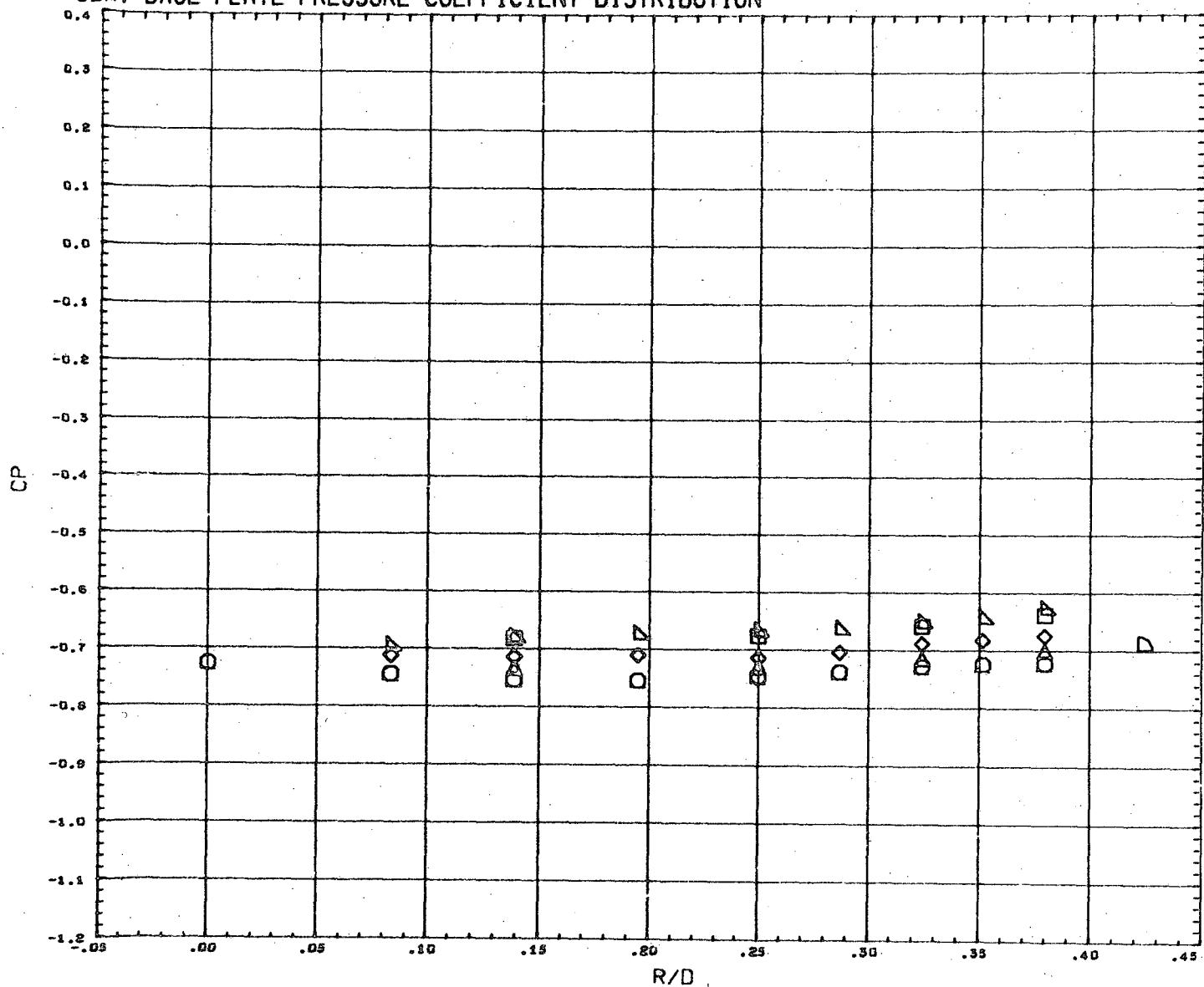
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SREF	572.557	SQ. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

PARAMETRIC VALUES			
E/DOOR.	0.000	ALPHA	0.004
FC	404.679	WS/WFC	0.000

BARBERS.FCB E CC80 TW-AP-70-445

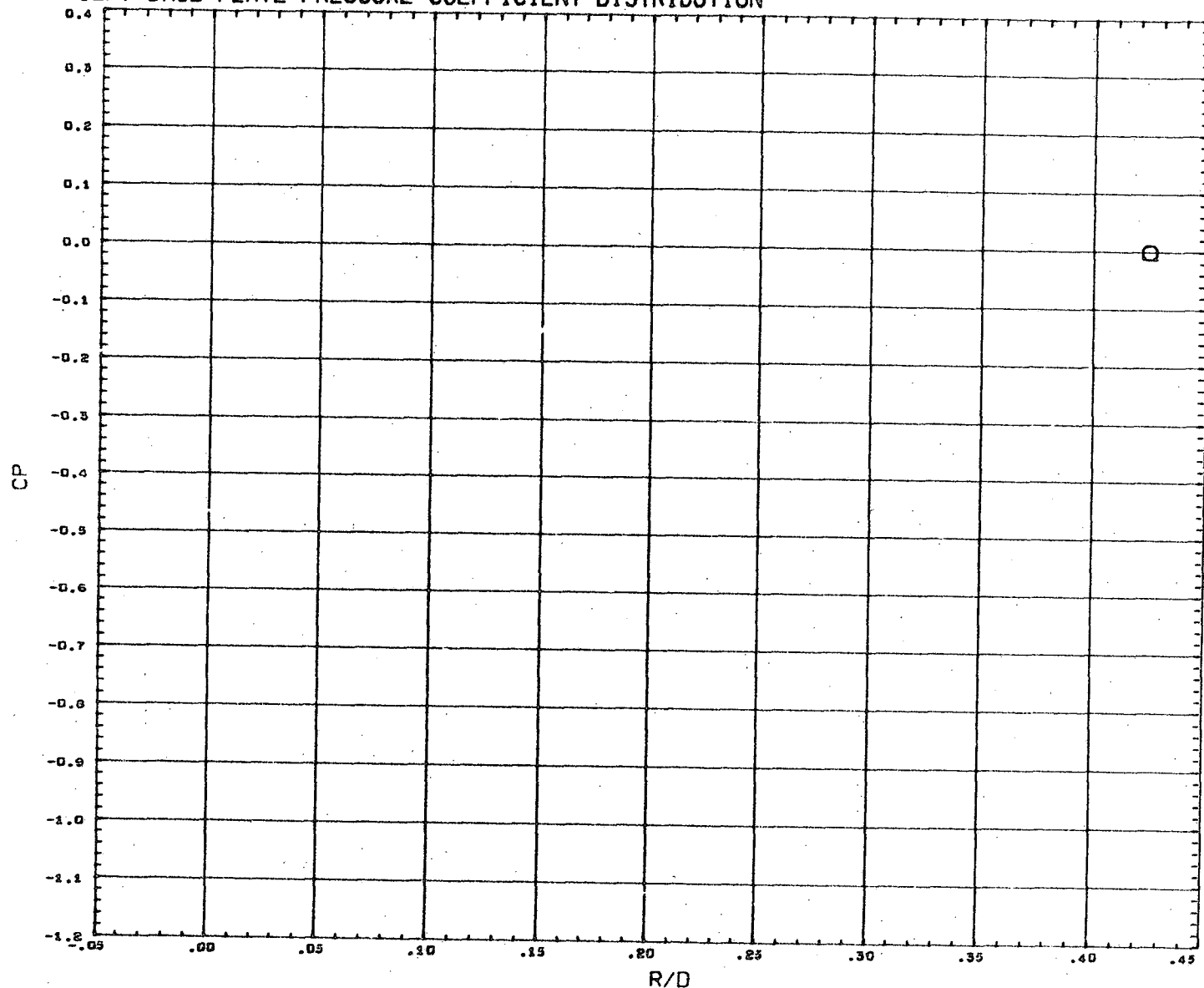
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	SQ.IN.	E/DOOR	PARAMETRIC VALUES
○	5.620	491.380	1.101	572.557	27.000	INCHES	0.000	ALPHA 0.004
◇	45.000			27.000	27.000	INCHES	PC 404.679	WS/WFC 0.000
□	90.000			0.000	0.000	DIAMTR		
△	135.000			0.000	0.000	DIAMTR		
▽	174.380			0.000	0.000	DIAMTR		
◇	269.000			0.000	0.000	DIAMTR		

SEVERAL BASE PLATE CCSD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 491.380 1.101

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XNRF 0.000 DIAMTR
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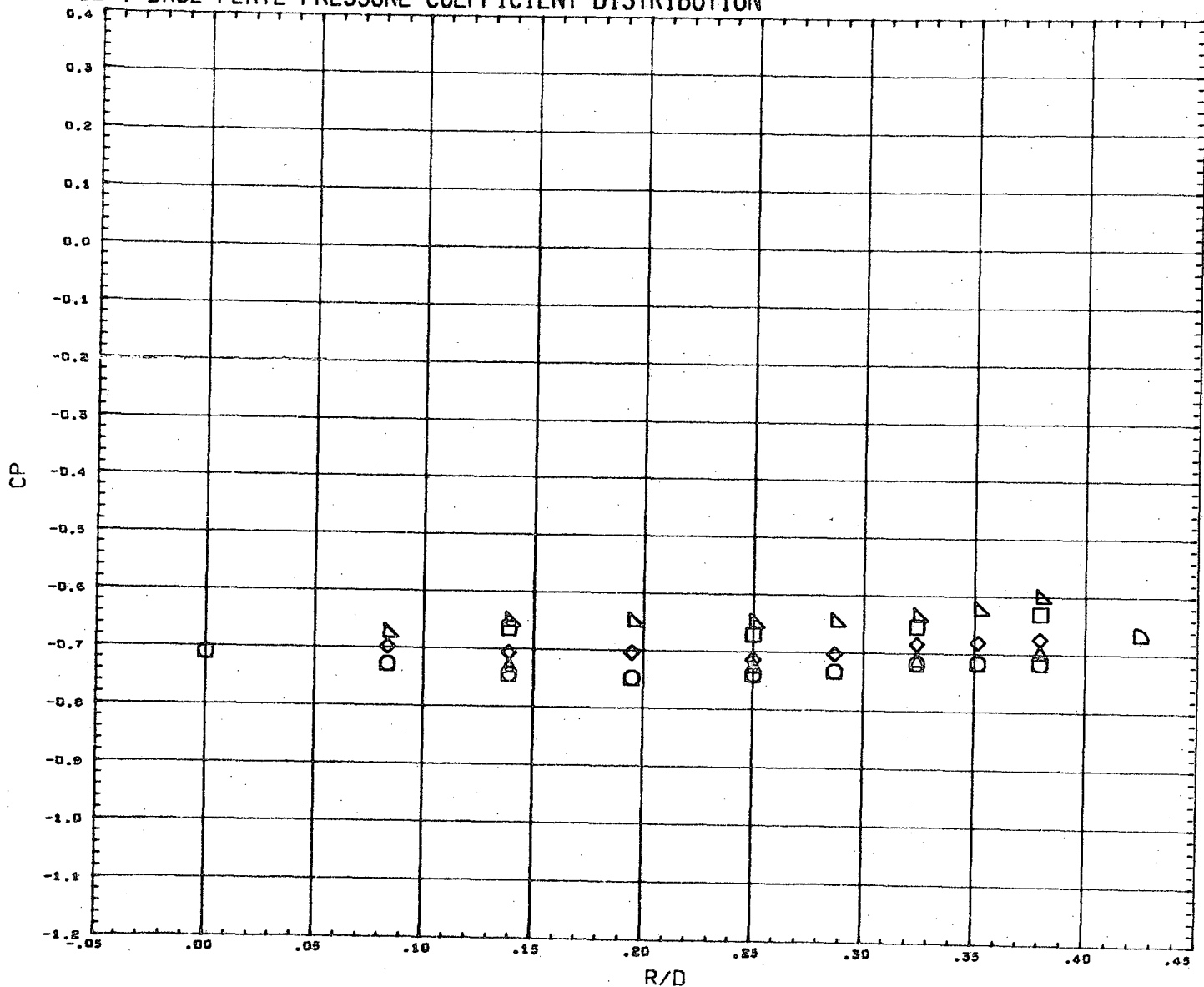
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

00000000.FCC0E CC29 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



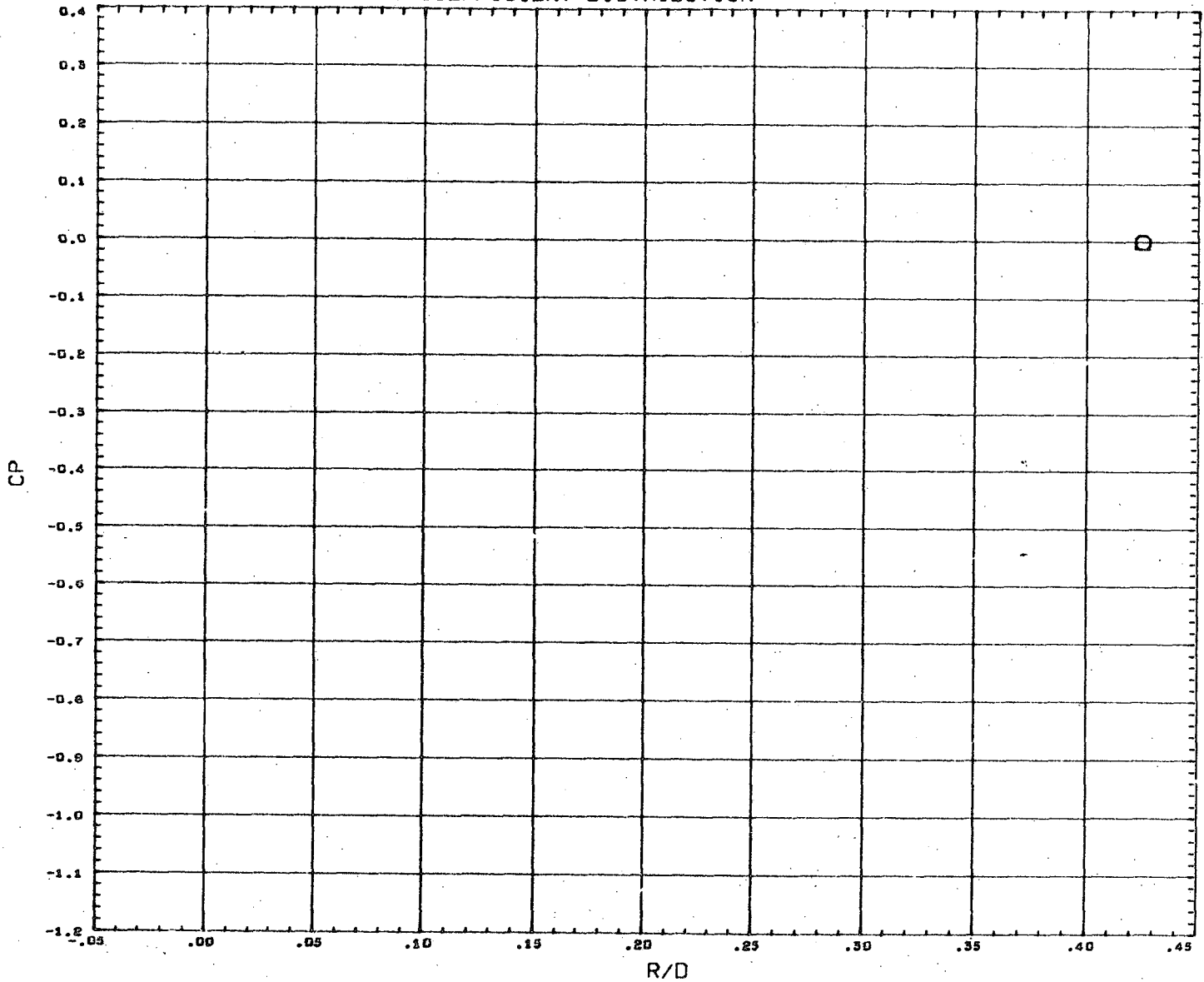
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△	45.000			BREF	27.000	INCHES	PC 404.679	WS/WFC 0.000
◇	90.000			XMRP	0.000	DIAMTR		
◊	135.000			YMRP	0.000	DIAMTR		
◈	174.380			ZMRP	0.000	DIAMTR		
◉	269.000							

0575R0000.F000E CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 599.127 1.089

SREF 572.557 SQ. IN.
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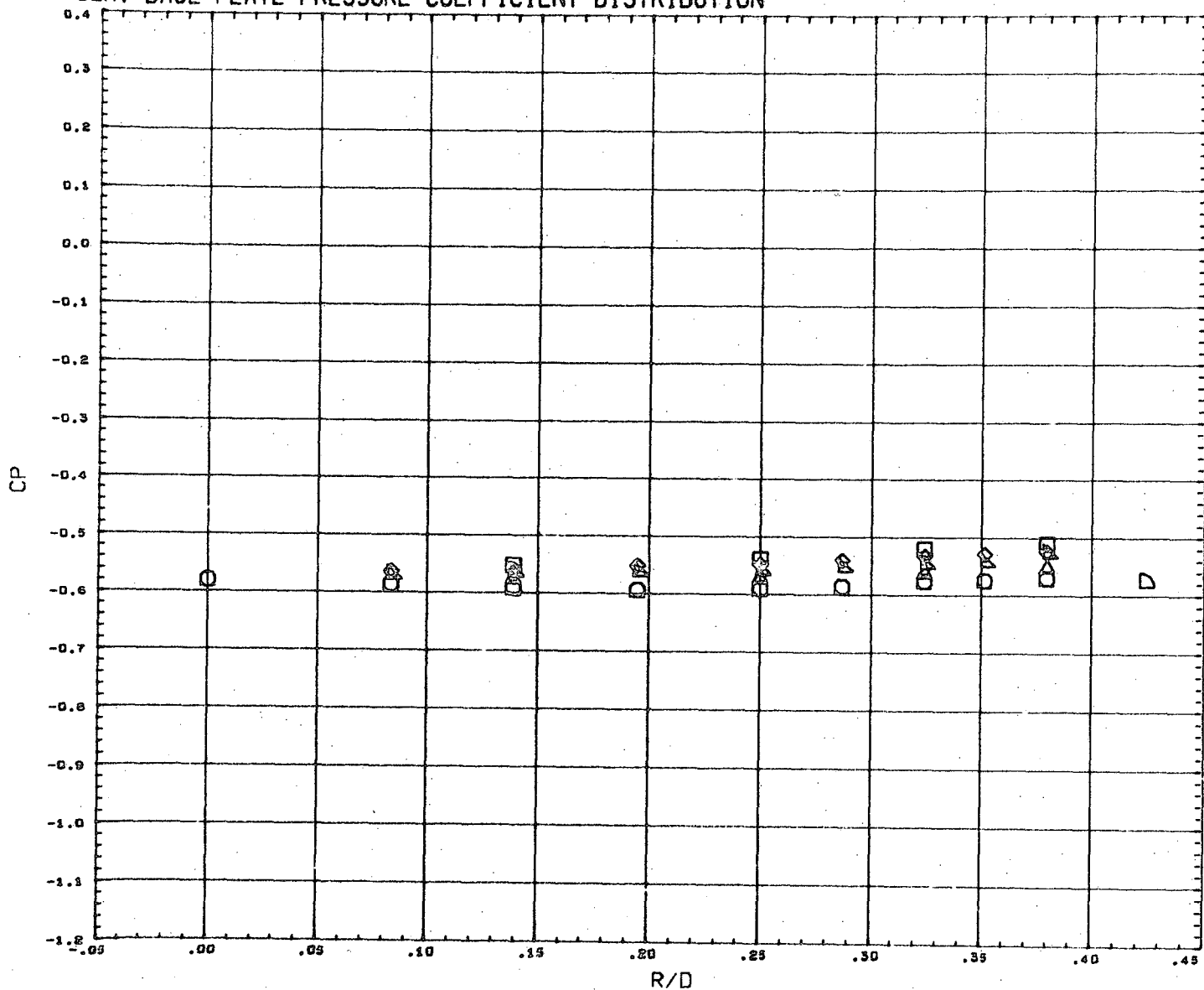
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DATA SOURCE: CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



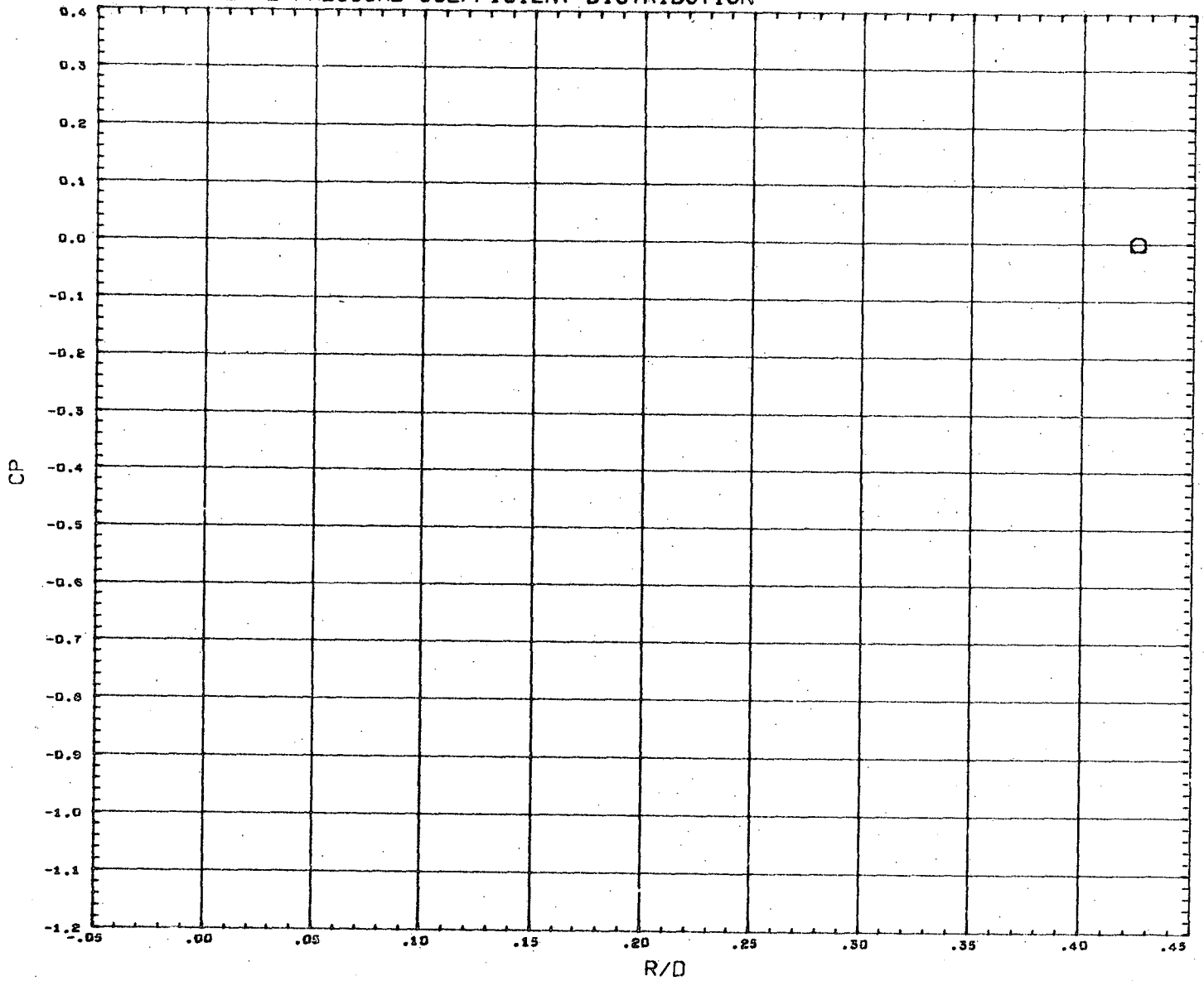
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△	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	90.000									
□	135.000									
▤	174.380									
⬢	269.000									

08788866.F008E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 406.123 1.254

SREF 572.557 SQ.IN.
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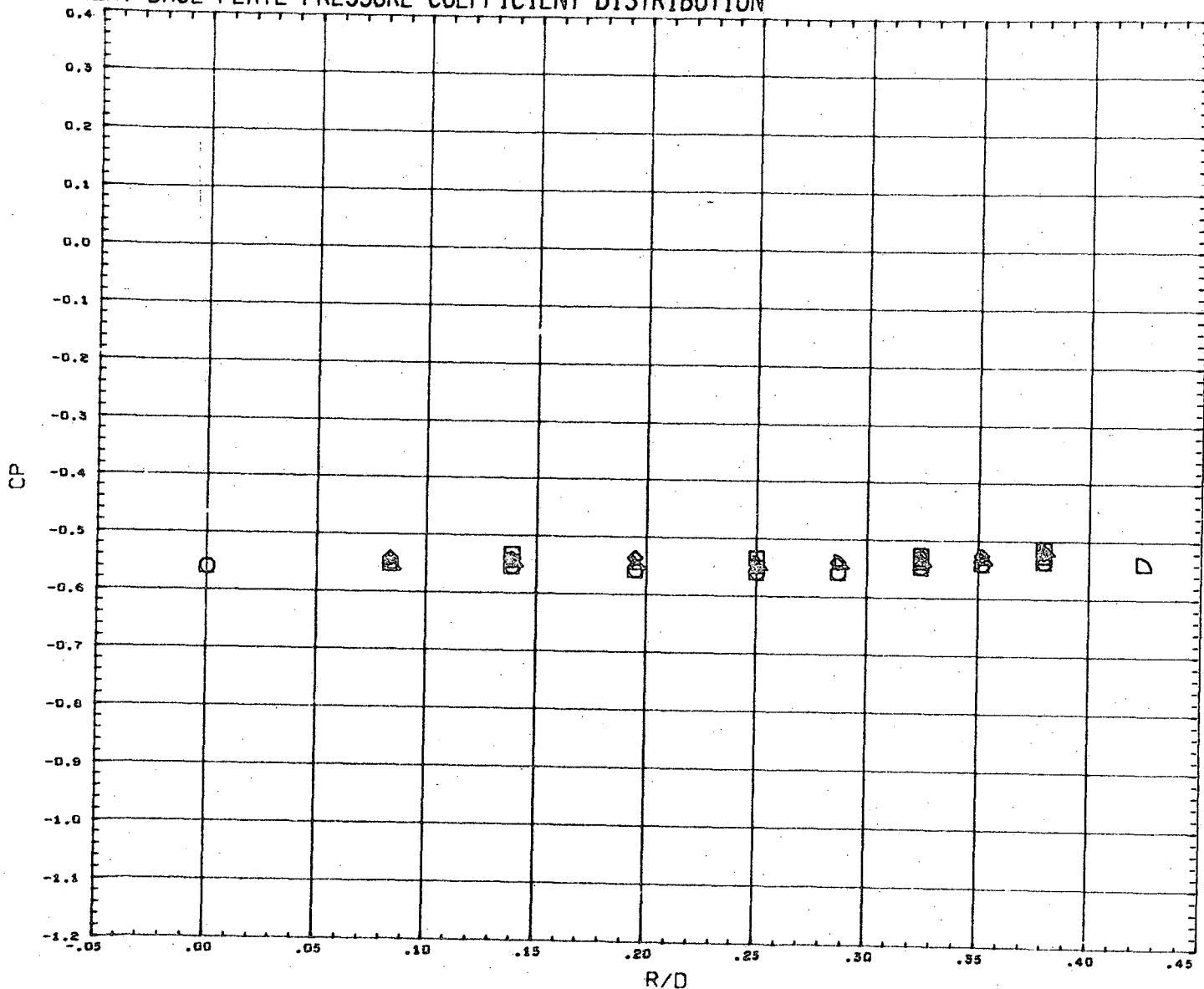
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

DSRDRB66E.F602E CC89 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

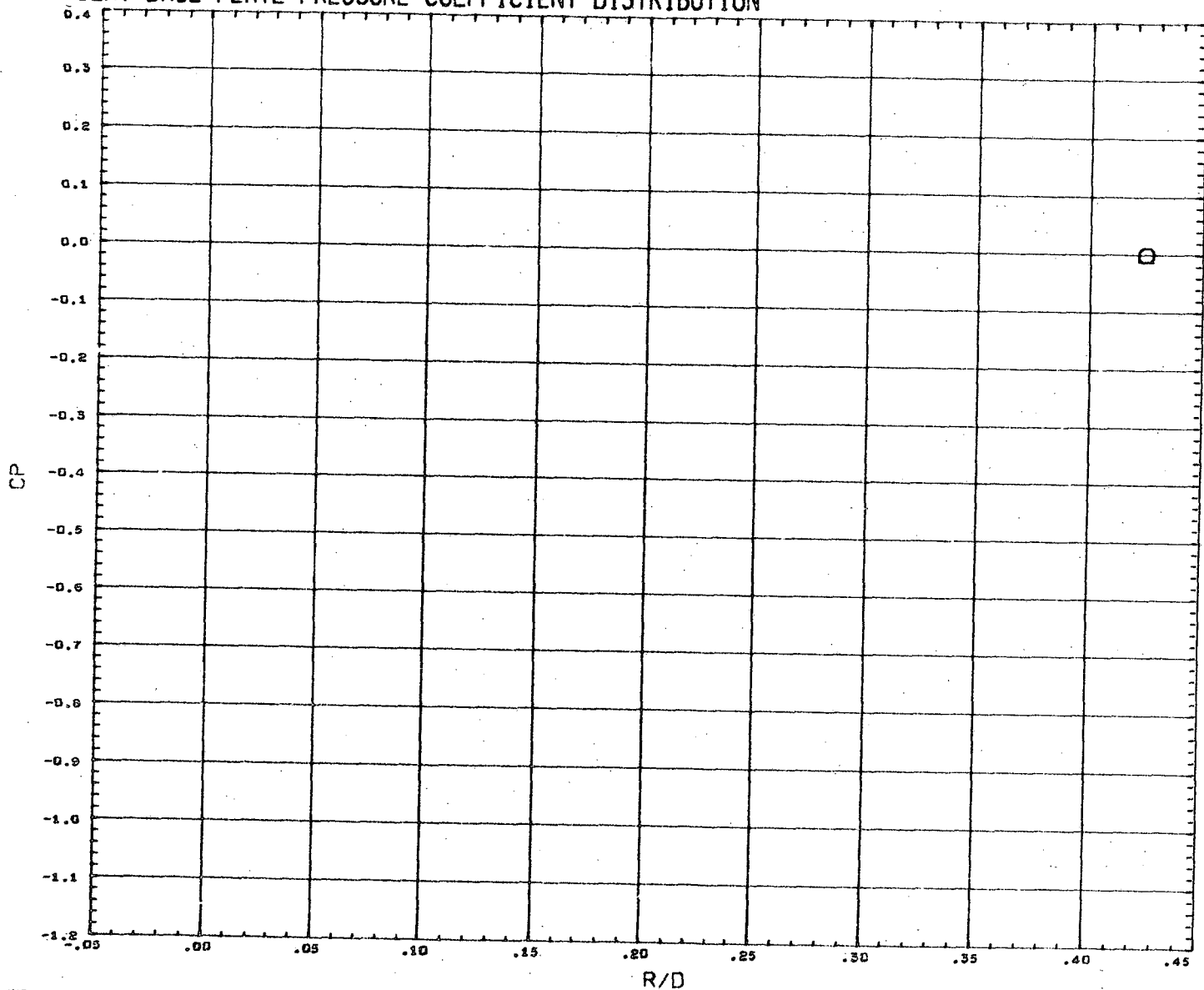


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○	5.620	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	0.000
△	45.000			50. IN.	INCHES	INCHES				0.004
◇	90.000									
□	135.000									
▤	174.380									
⊠	269.000									

DATA BASE FILE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 751.932 1.261

SREF 572.557 SQ. IN.
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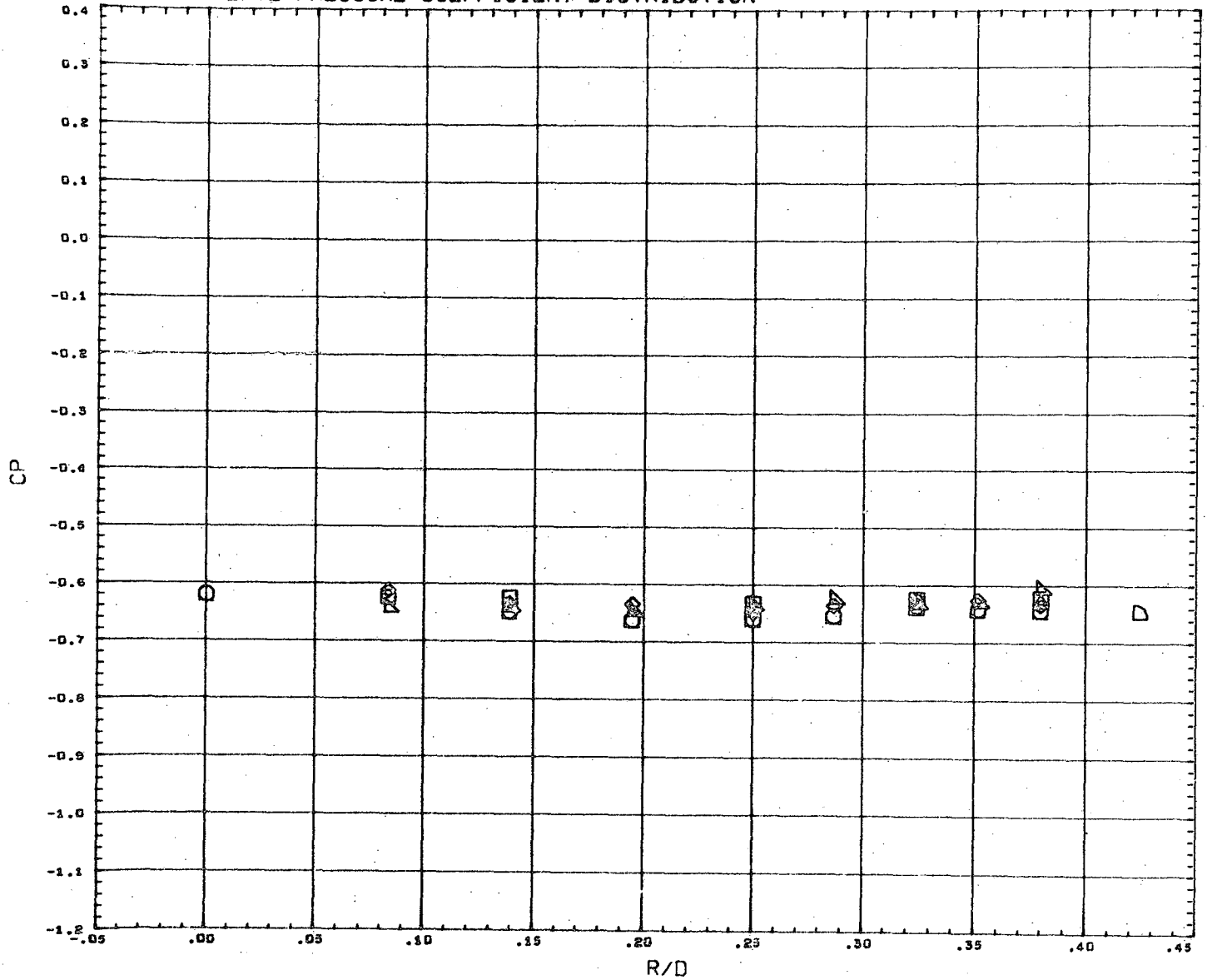
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 PC 404.679 WS/WPC 0.000

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AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



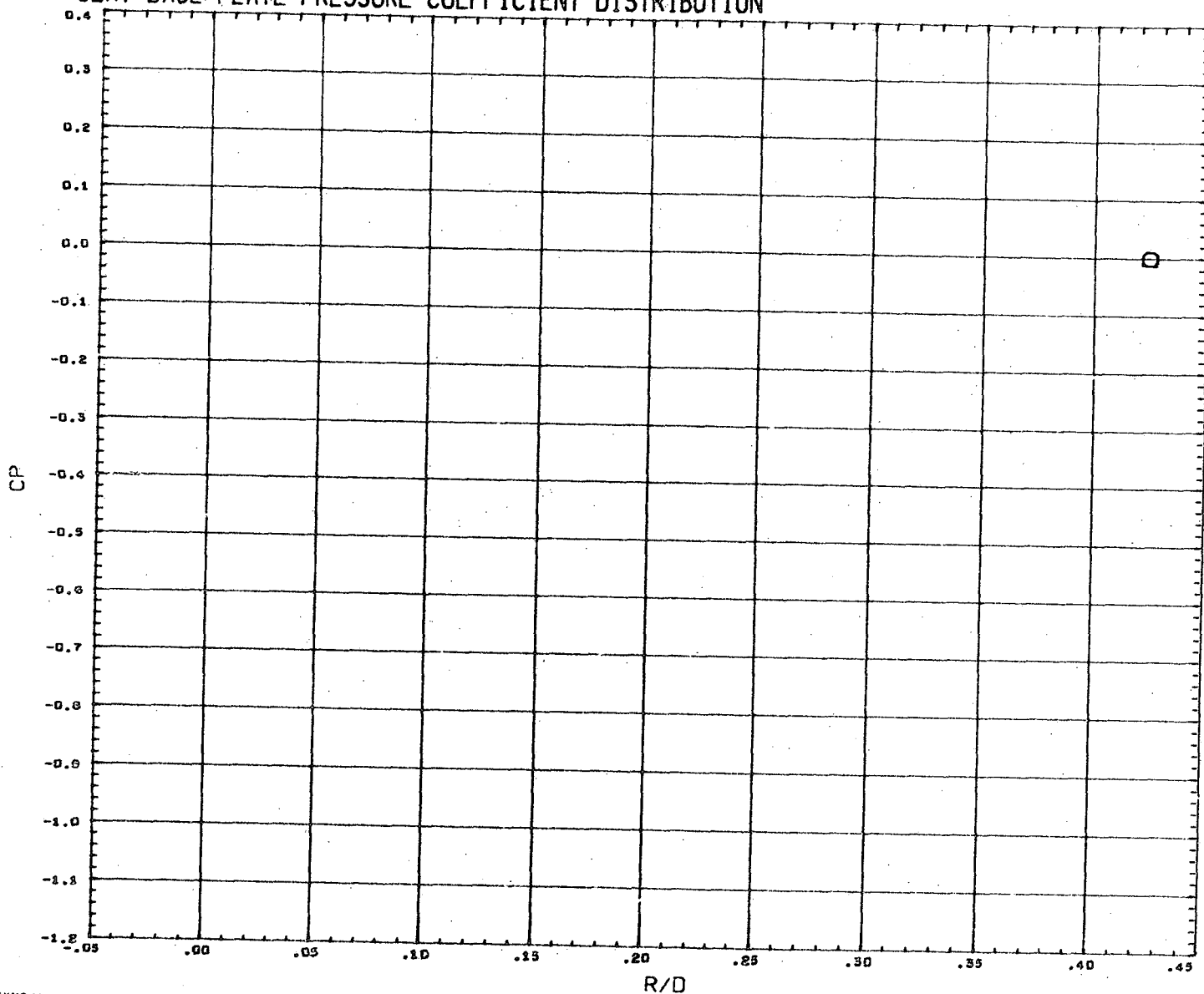
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◇	45.000																	
◇	90.000																	
◇	135.000																	
◇	174.380																	
◇	269.000																	

DATA BASE FILE CC00 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 831.960 1.248

SREF 572.557 SQ.IN.
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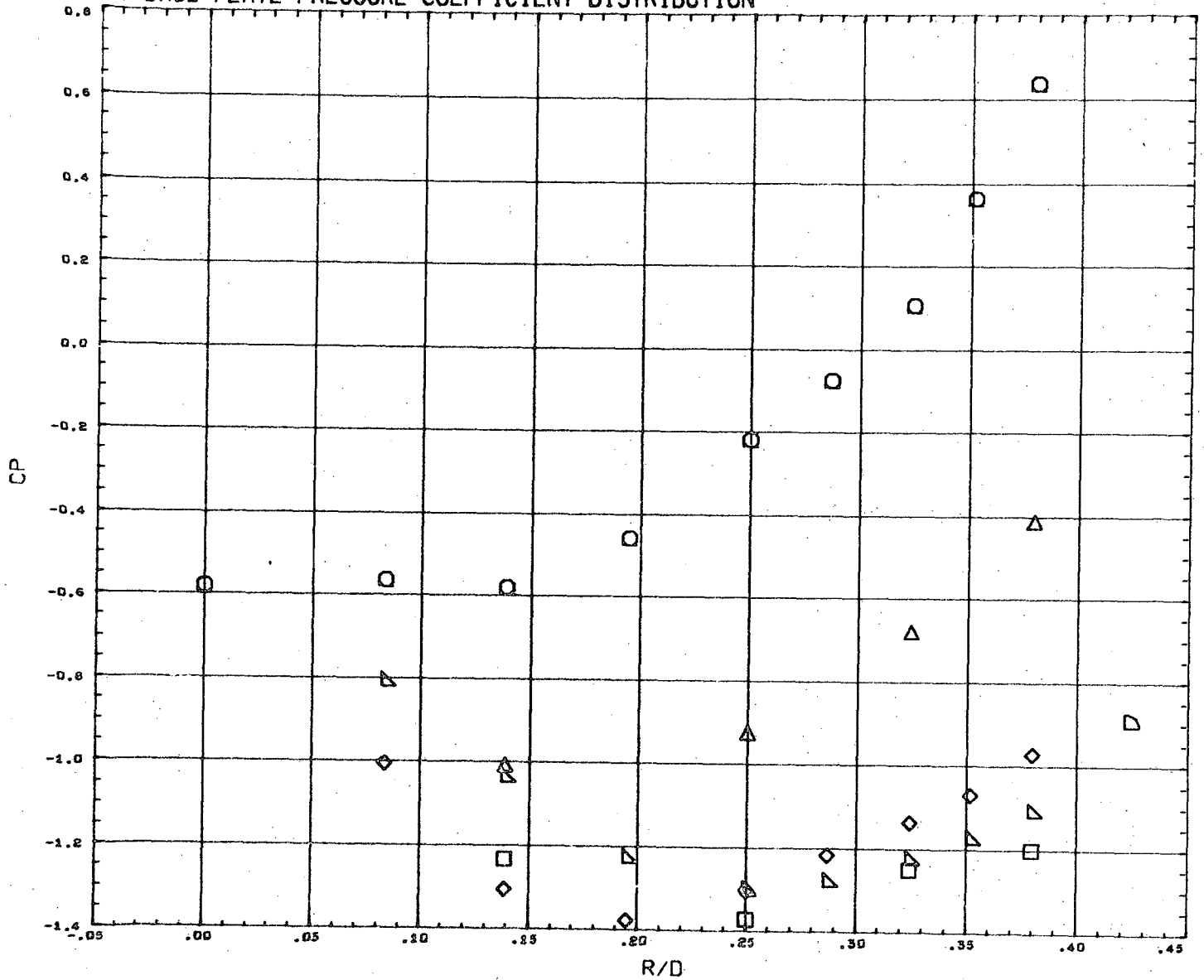
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 FC 404.679 WS/WPC 0.000

88708888.FE02E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7540)

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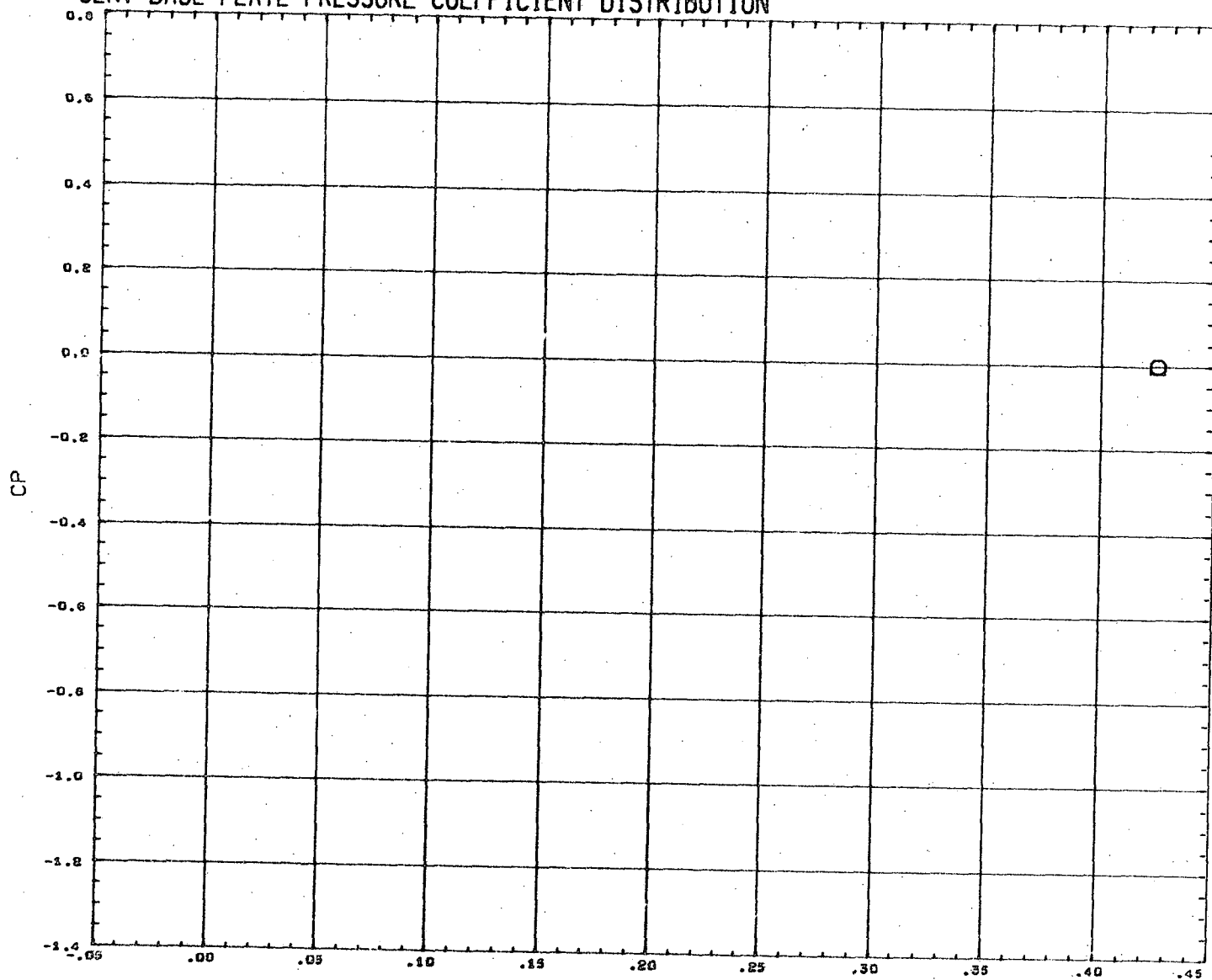
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	402.996	0.022	0.000	0.000
◇	45.000																			
□	90.000																			
△	135.000																			
▽	174.380																			
+	269.000	0.57080000.FE00E		CC80	TN-AP-70-445															

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 202.083 0.599

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRF 0.000 DIAMTR
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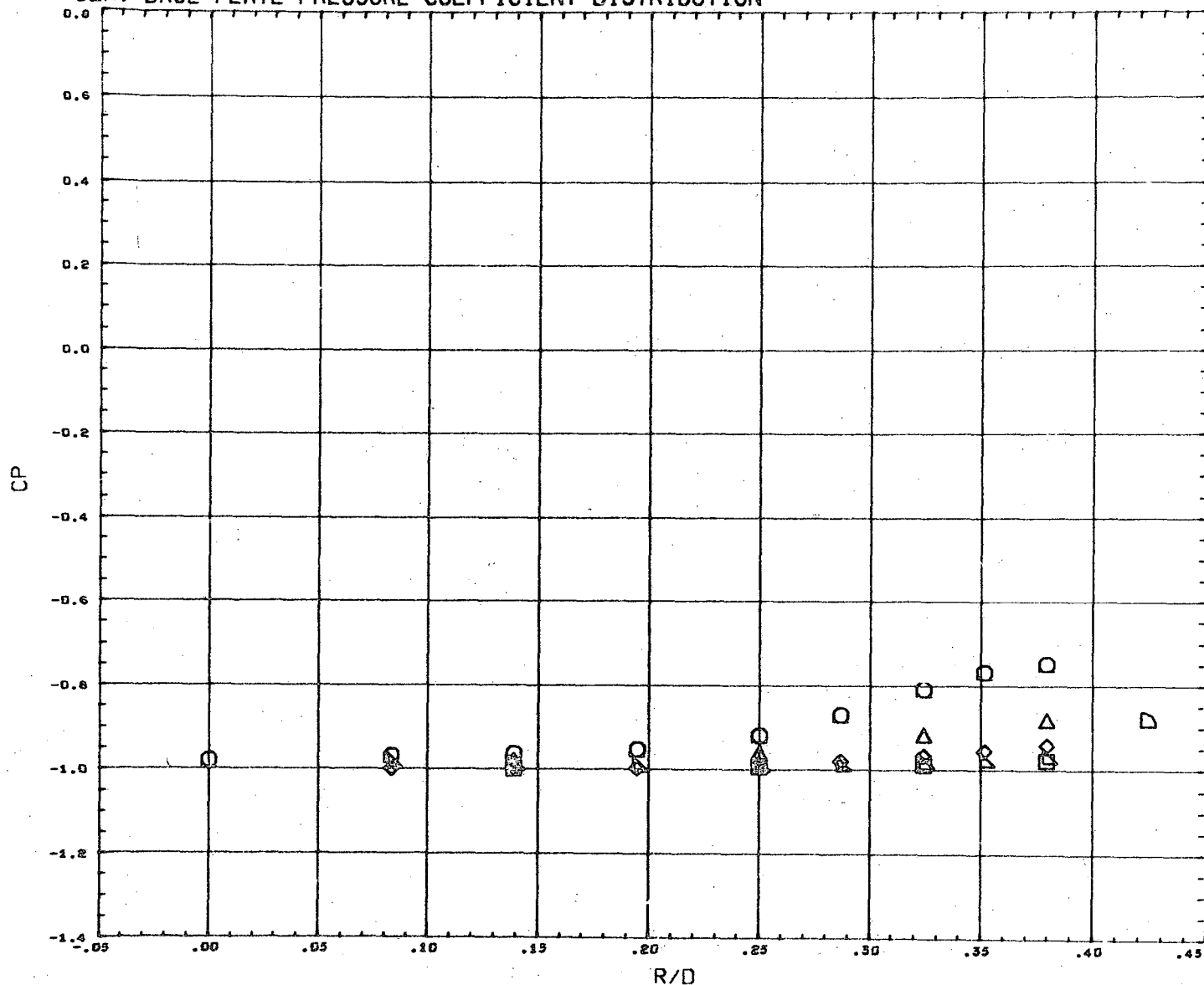
PARAMETRIC VALUES
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 PC 402.996 WS/WFC 0.000

08000000.F003E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



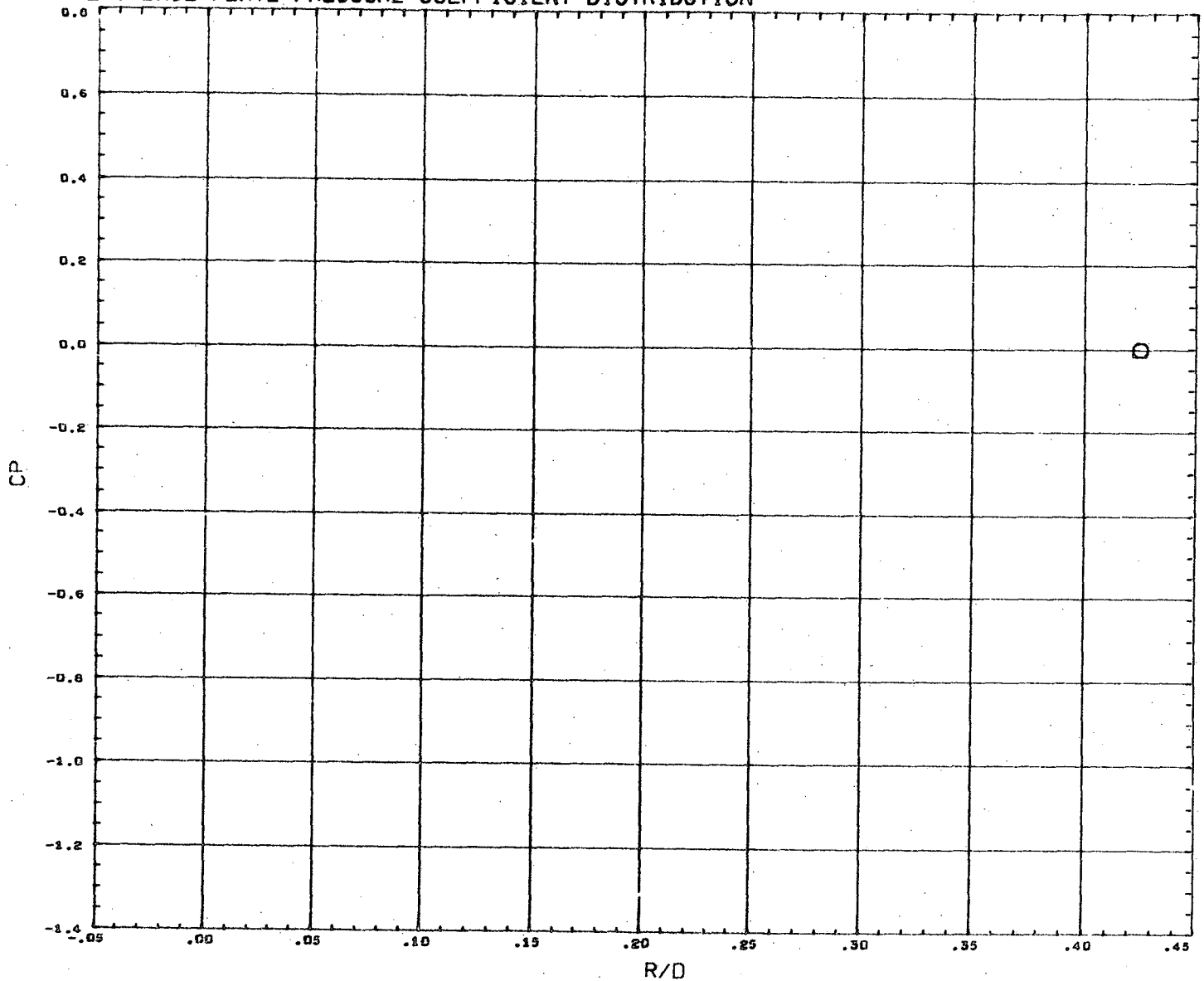
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	299.500	0.801	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
△	45.000									PC 402.996 WS/WFC 0.000
◇	90.000									
□	135.000									
▽	174.380									
◻	269.000									

BAF5R086E.FEC0E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



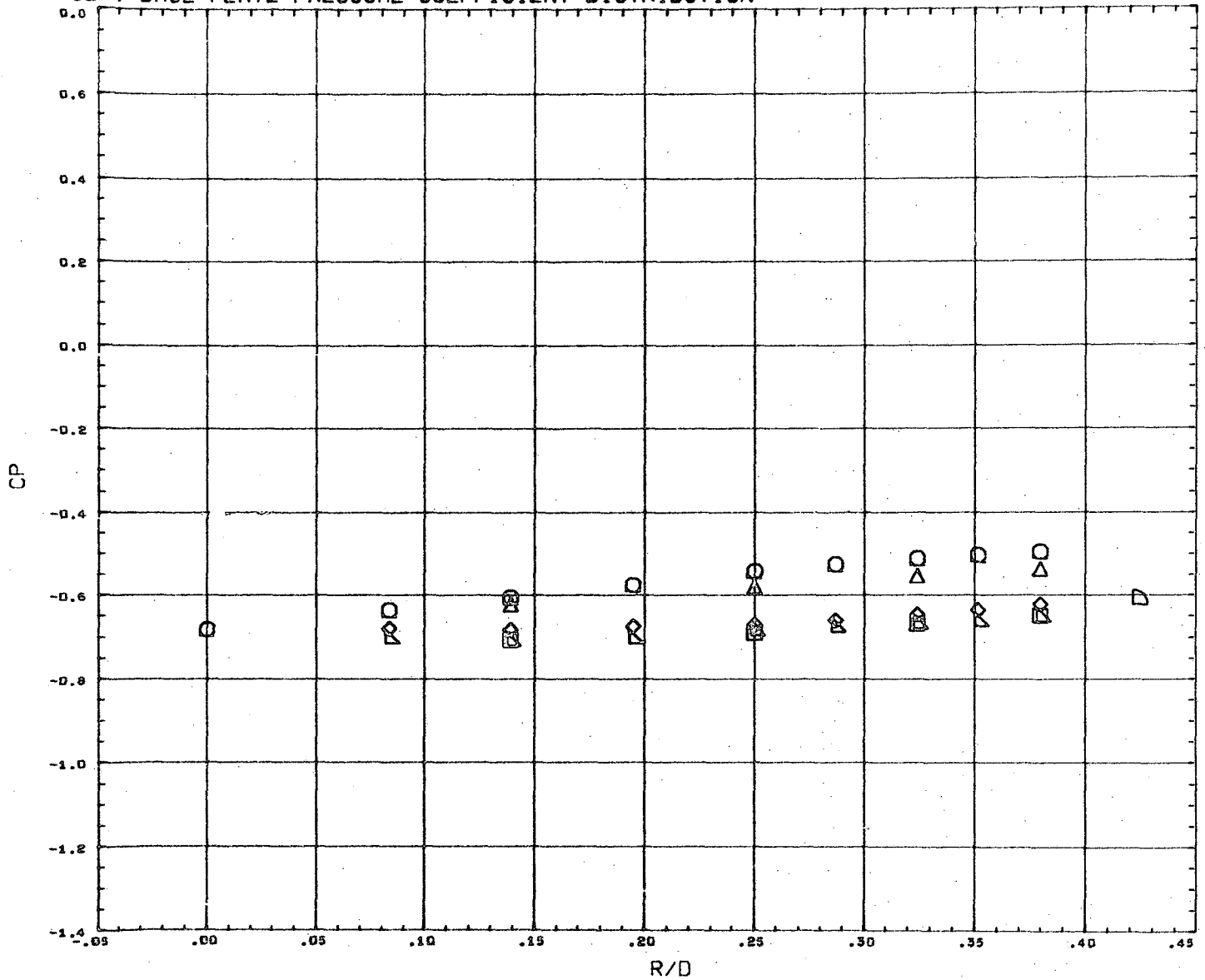
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				BREF	27.000	INCHES		402.996	WS/WPC
				XMRP	0.000	DIAMTR			8.022
				YMRP	0.000	DIAMTR			0.000
				ZMRP	0.000	DIAMTR			

B0408058.FE02E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



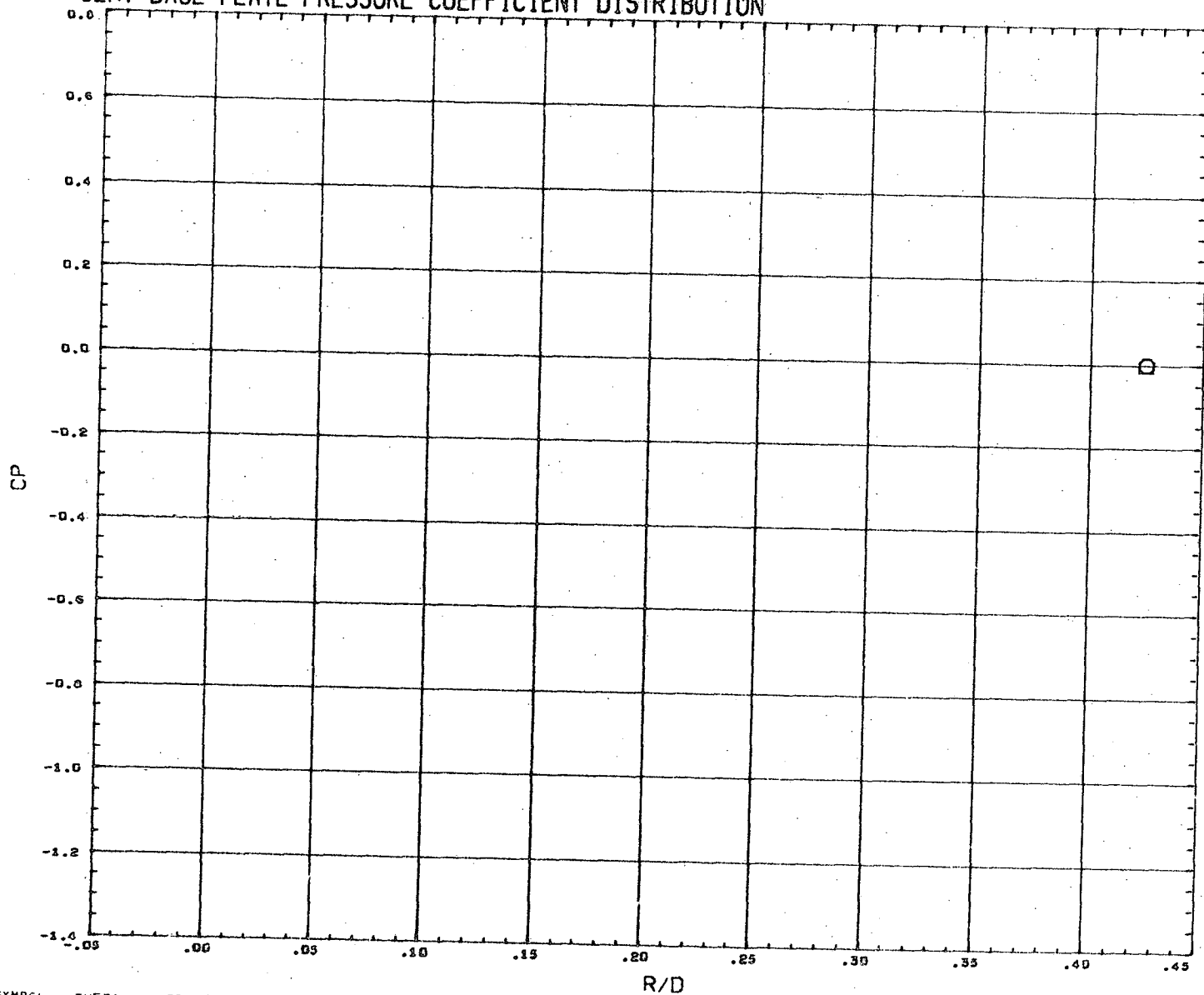
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○	5.620	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000	0.000
◇	45.000													
□	90.000													
△	135.000													
▽	174.380													
◇	269.000													

BATCH 0005.FE00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 398.487 0.899

SREF 572.557 58.IN.
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 BREF 27.000 INCHES
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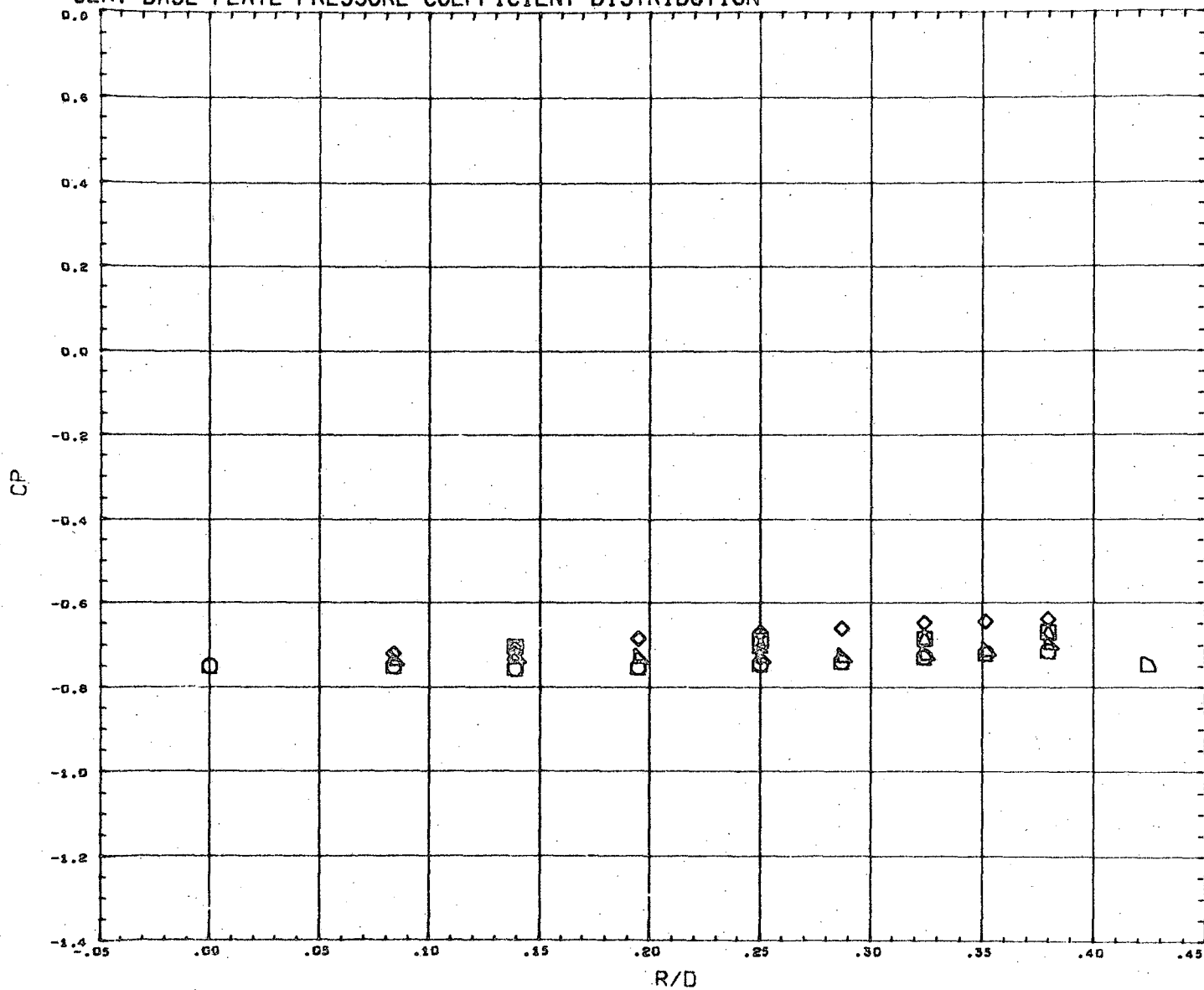
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 PC 402.996 WS/WPC 0.000

DATA SOURCE: F000E CC8D TN-AP-7D-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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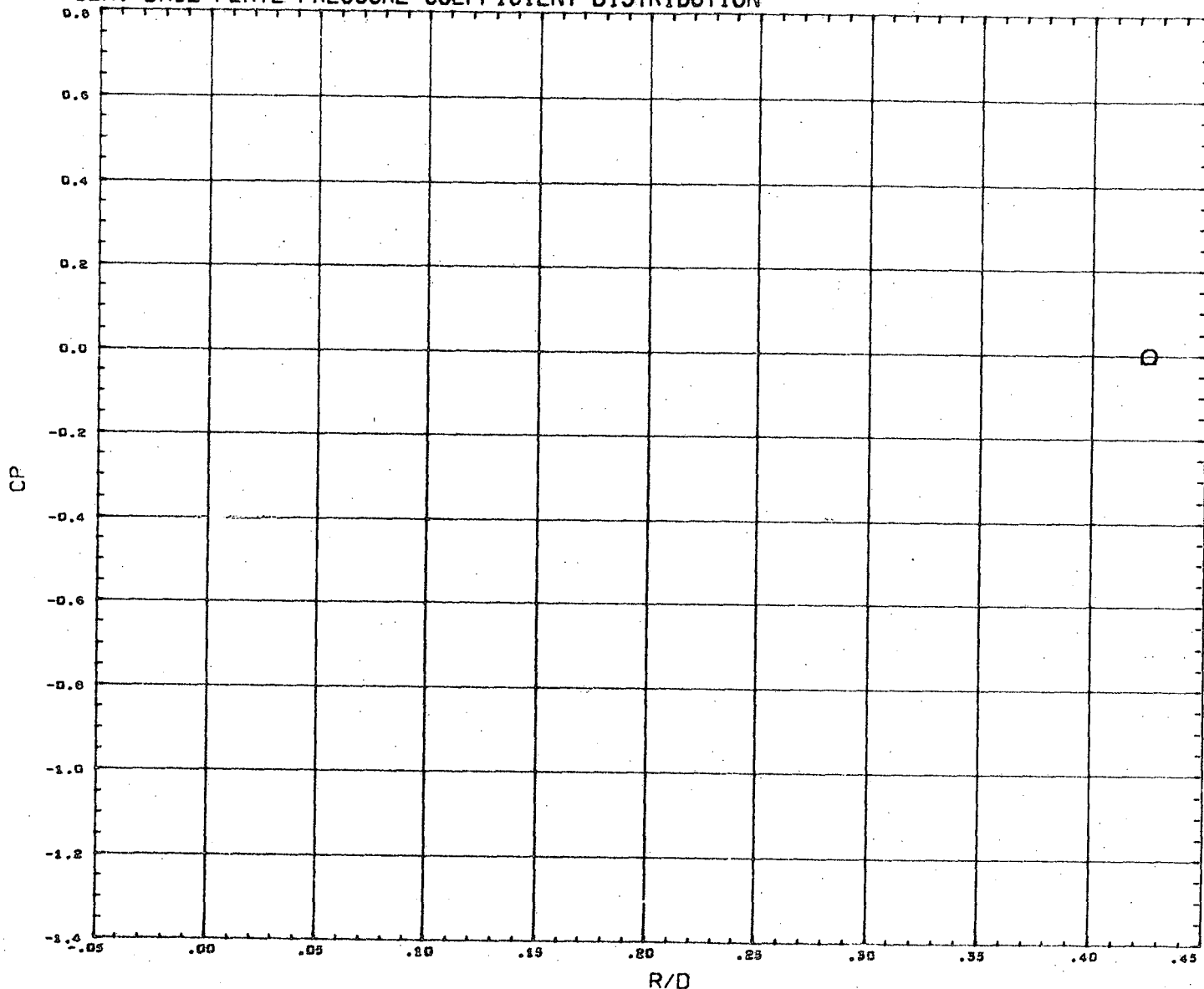
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
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◇	45.000									PC 402.996 WS/WFC 0.000
◇	90.000									
◇	135.000									
◇	174.380									
◇	269.000									

DIFFERENTIAL PRESSURE COEFFICIENT TH-AP-70-443

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 402.407 1.100

SREF 572.557 SQ. IN.
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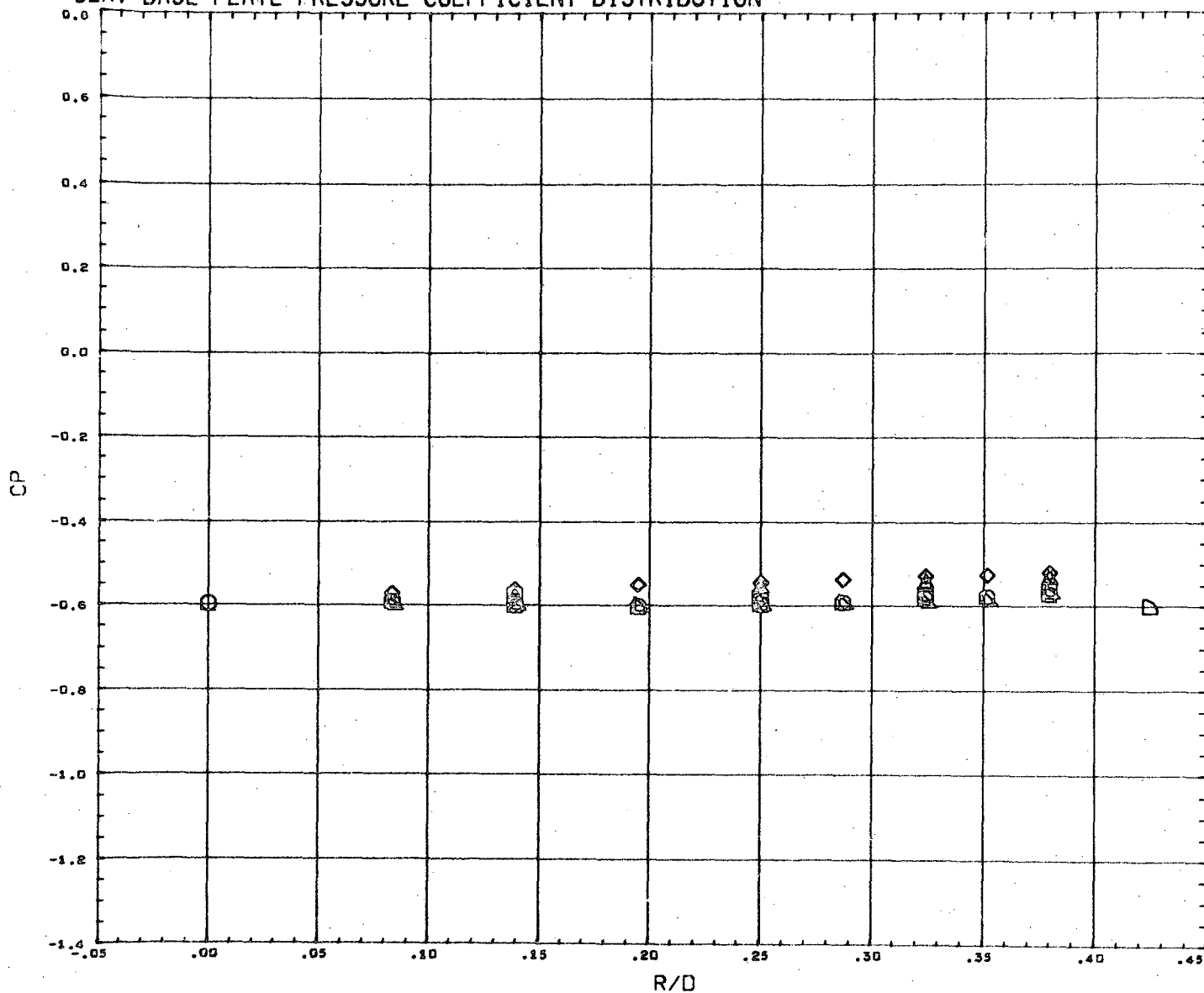
PARAMETRIC VALUES
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 PC 402.996 WS/WPC 0.000

0875R060.FL00E CC80 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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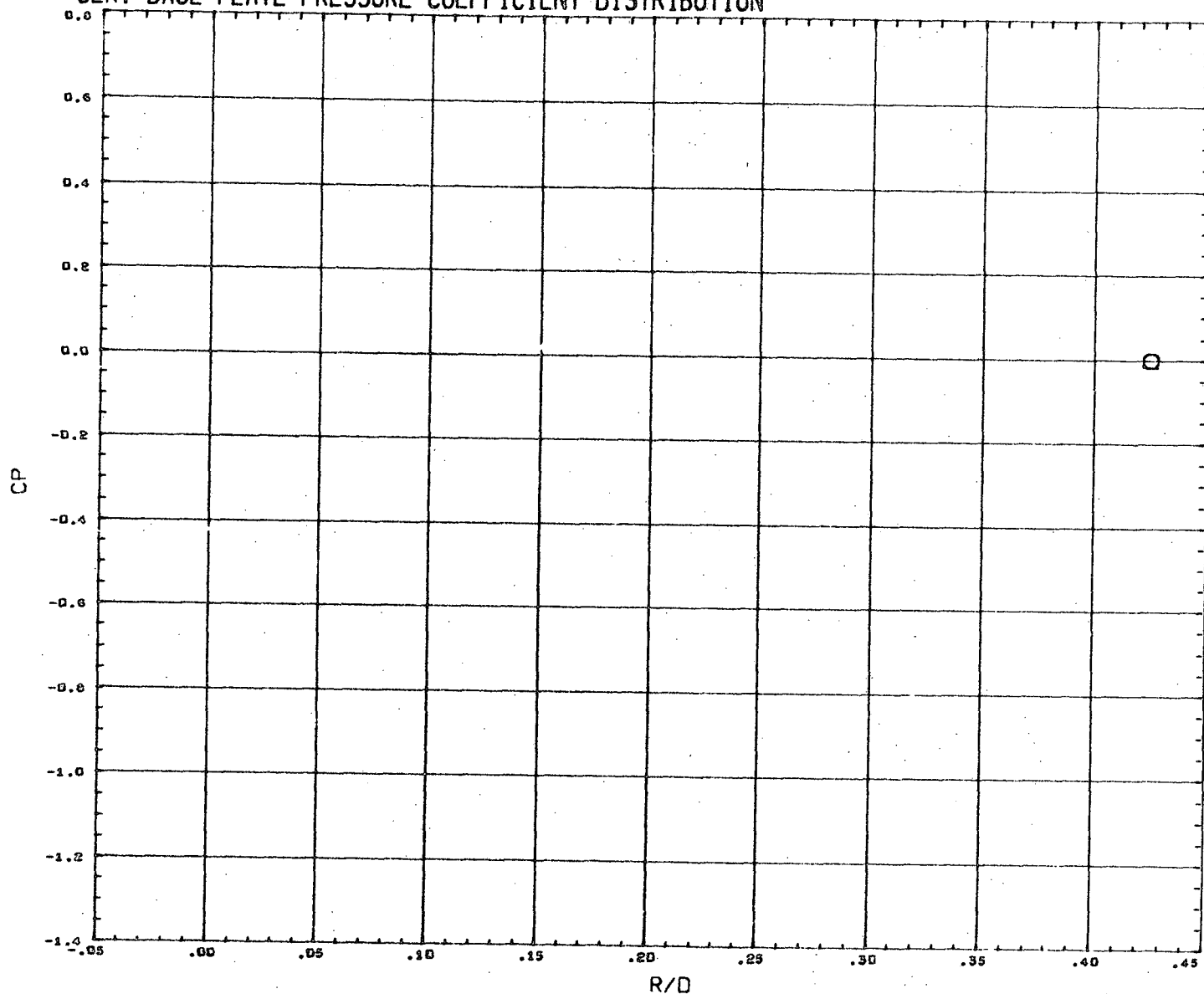
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
5.620	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
45.000			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	DIAMTR	FC 402.996 WS/WPC 0.000
90.000			0.000							
135.000			0.000							
174.380			0.000							
269.000			0.000							

808888888.FE00E CCSD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 359.000 400.737 1.253

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 FC 402.996 WS/WFC 0.000

BARBAROSSA.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (AT7548)

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Graph showing the Pressure Coefficient Distribution (P/P_{∞}) versus the Radial Distance (R/D) for a 10-degree half-angle cone. The data is plotted for various Reynolds numbers (Re).

The Y-axis represents P/P_{∞} (ranging from -0.1 to 1.1). The X-axis represents R/D (ranging from -0.05 to 0.45).

Legend (approximate symbols used in the graph):

- \circ : $Re = 10^5$
- \square : $Re = 10^6$
- \triangle : $Re = 10^7$
- \diamond : $Re = 10^8$

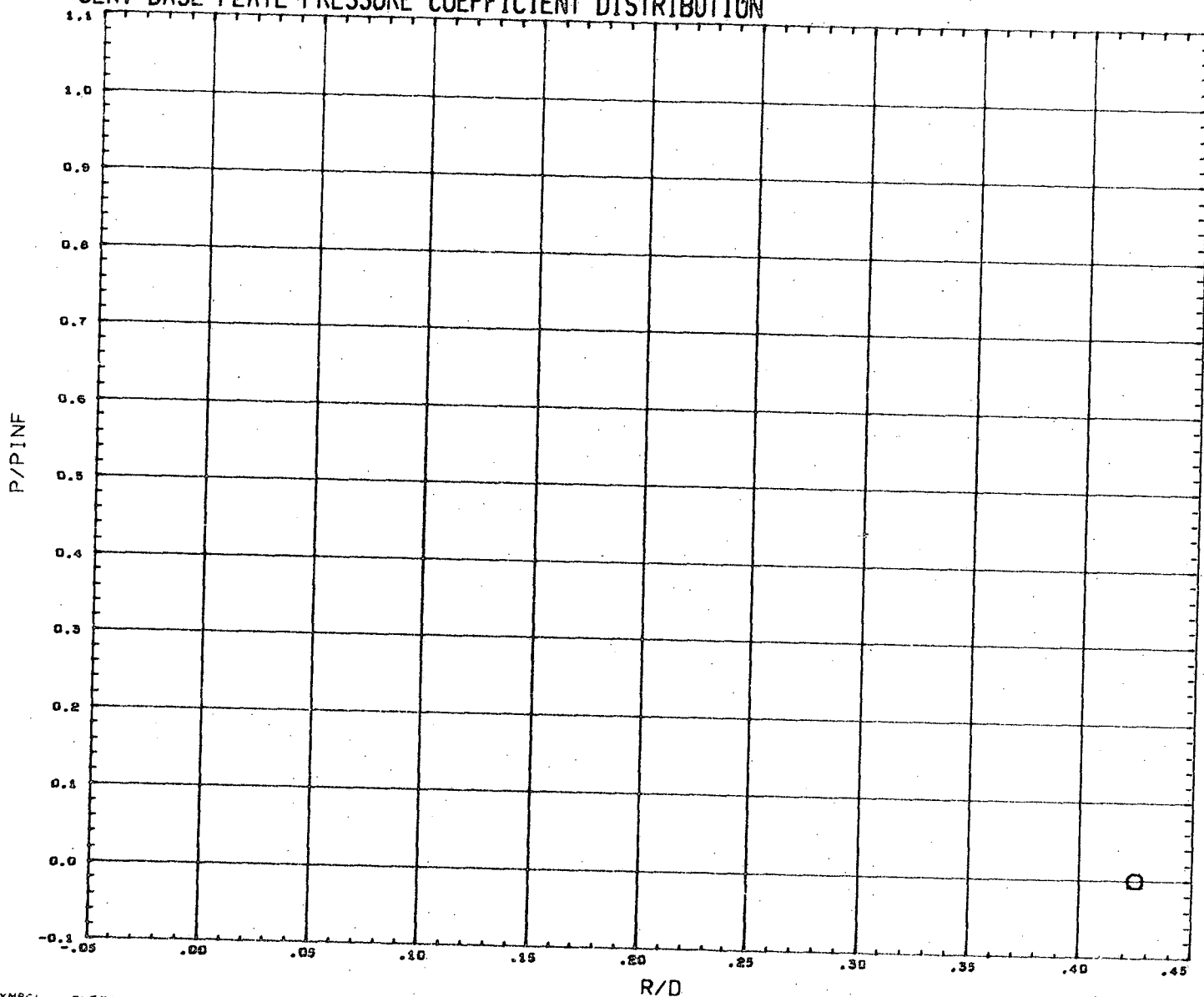
Key observations from the graph:

- The pressure coefficient is highest at $R/D = 0$ (around 1.1) and decreases sharply as R/D increases.
- The pressure coefficient reaches a minimum (around 0.7) between $R/D = 0.25$ and $R/D = 0.30$.
- The pressure coefficient increases slightly after $R/D = 0.30$ and then drops sharply again near $R/D = 0.45$.
- The data points for different Reynolds numbers are closely clustered, indicating that the pressure coefficient distribution is relatively independent of the Reynolds number in this range.

SYMBOL	THETA	FRATIO	MACH	PARAMETRIC VALUES						
△	5.620	125.800	0.086	SREF	572.557	88. IN.	E/DOOR	0.000	ALPHA	0.004
◊	45.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	90.000			BREF	27.000	INCHES				
◻	135.000			XMRP	0.000	CIAMTR				
◼	174.380			YMRP	0.000	CIAMTR				
▤	269.000	0.0000000000000000	0.000	ZMRP	0.000	CIAMTR				
		0.0000000000000000	0.000							
				CCO. TN-AP-70-405						

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 125.860 0.086

SREF 572.557 52-IN.
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 BREF 27.000 INCHES
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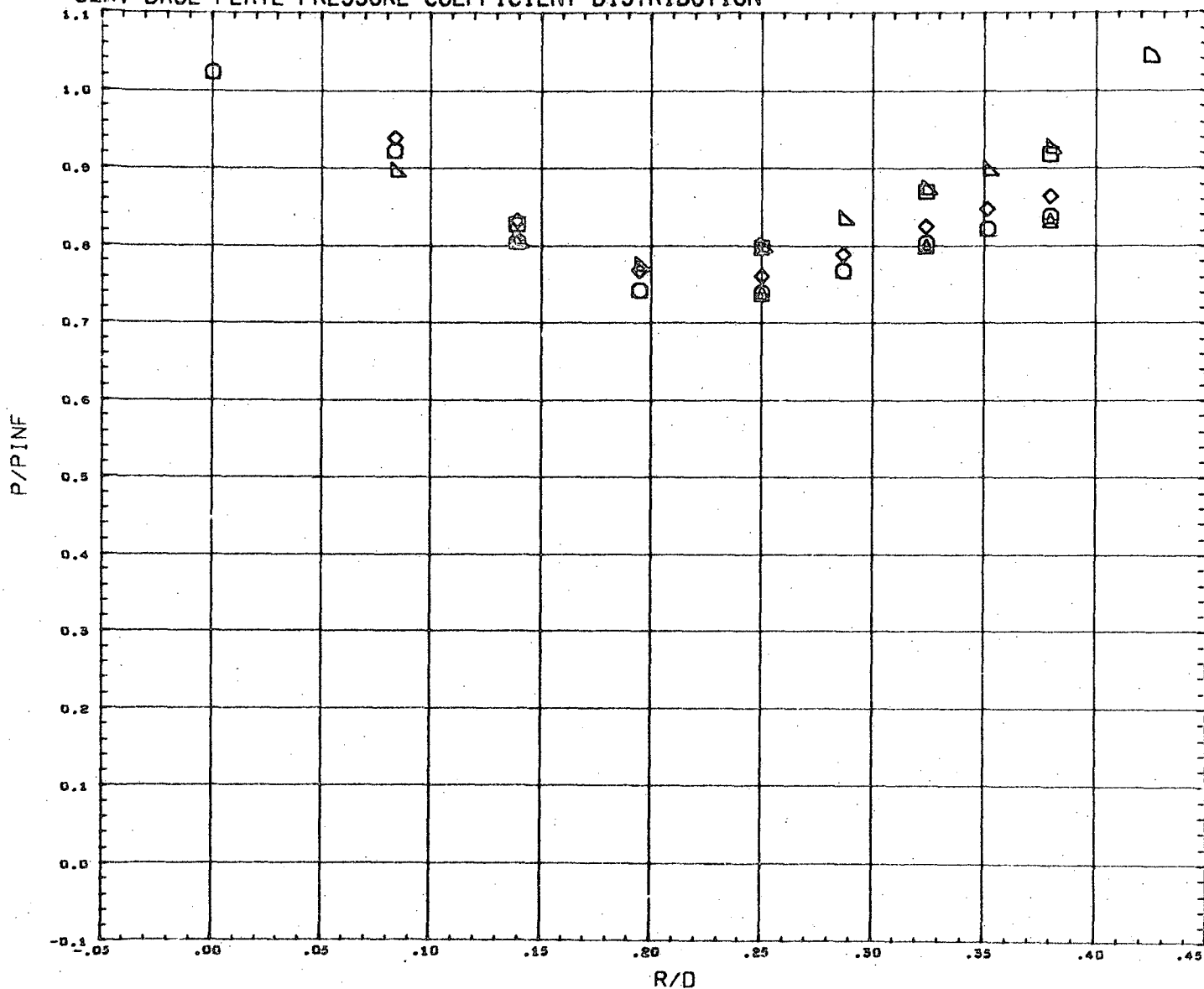
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

BB7BRB000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

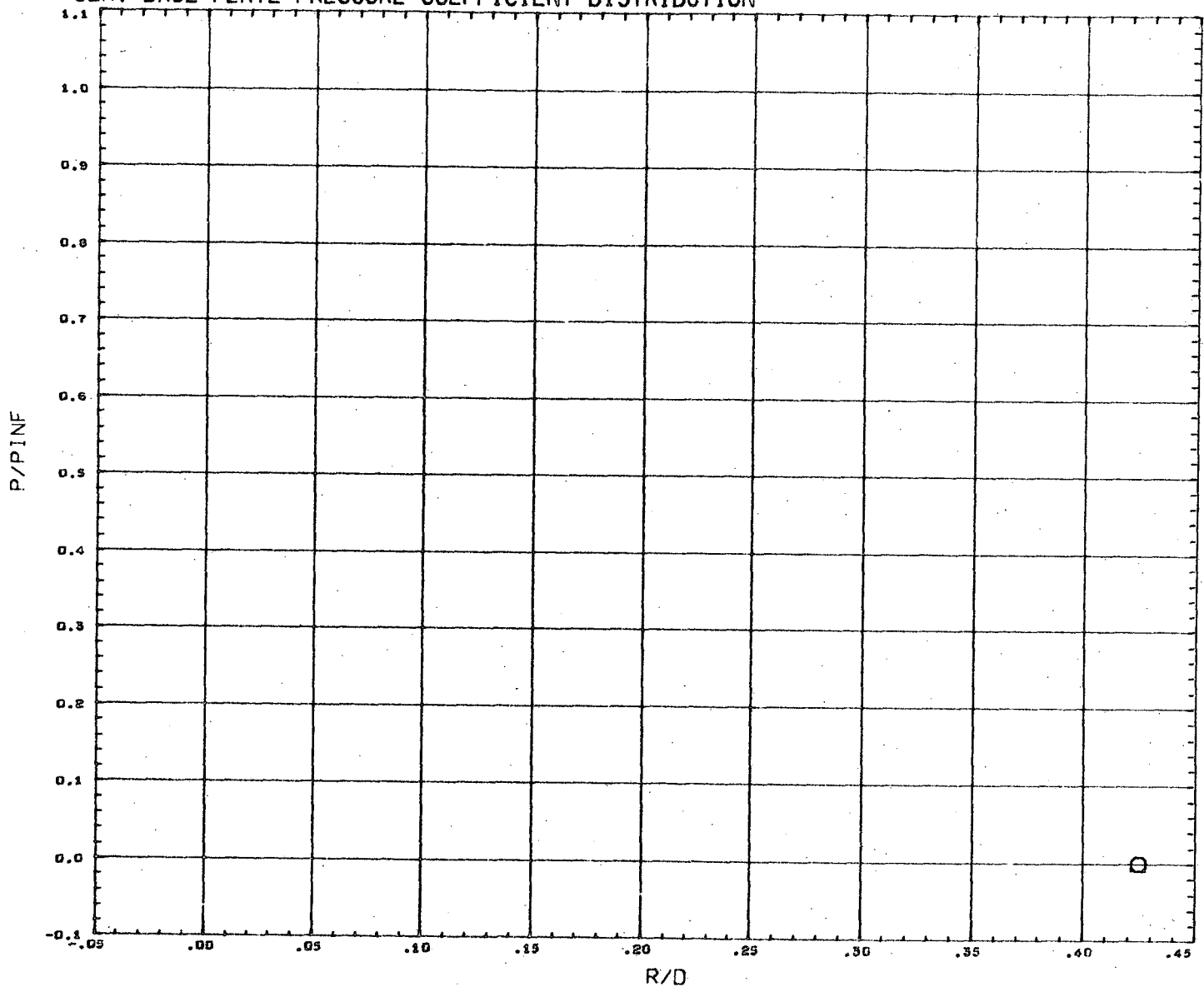


SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES
○	5.625	151.083	0.099	LREF	27.000	INCHES	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES	FC 404.679	WS/WFC 0.000
◇	90.000			XREF	0.000	DIAMTR		
□	135.000			YREF	0.000	DIAMTR		
▽	174.380			ZREF	0.000	DIAMTR		
D	269.000	0573R0260.FE08E	CCSD TN-AP-70-445					

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 151.083 0.099

SREF 572.557 59.1N.
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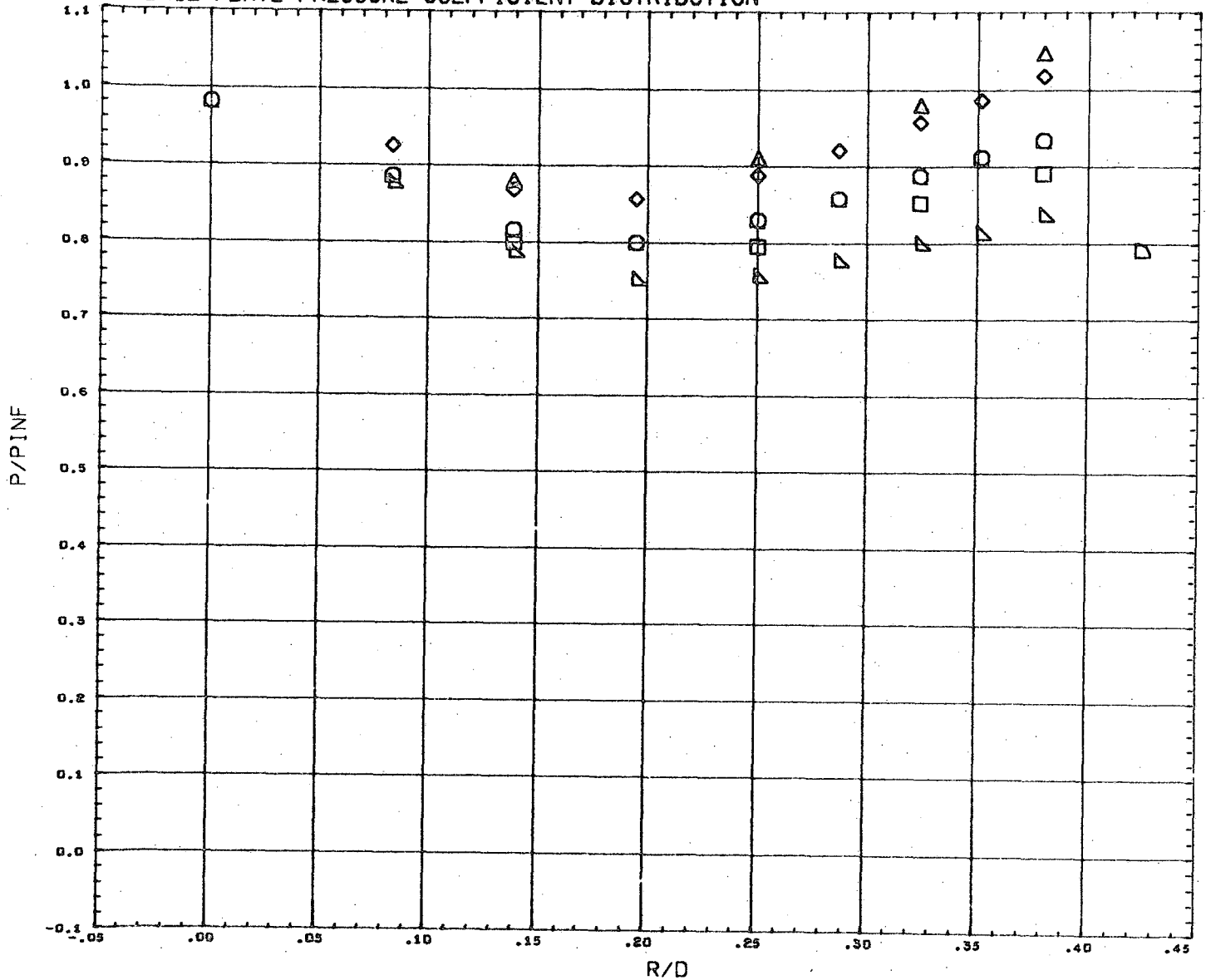
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 PC 404.679 WS/WFC 0.000

DATAHOUSE.F000E CCOD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

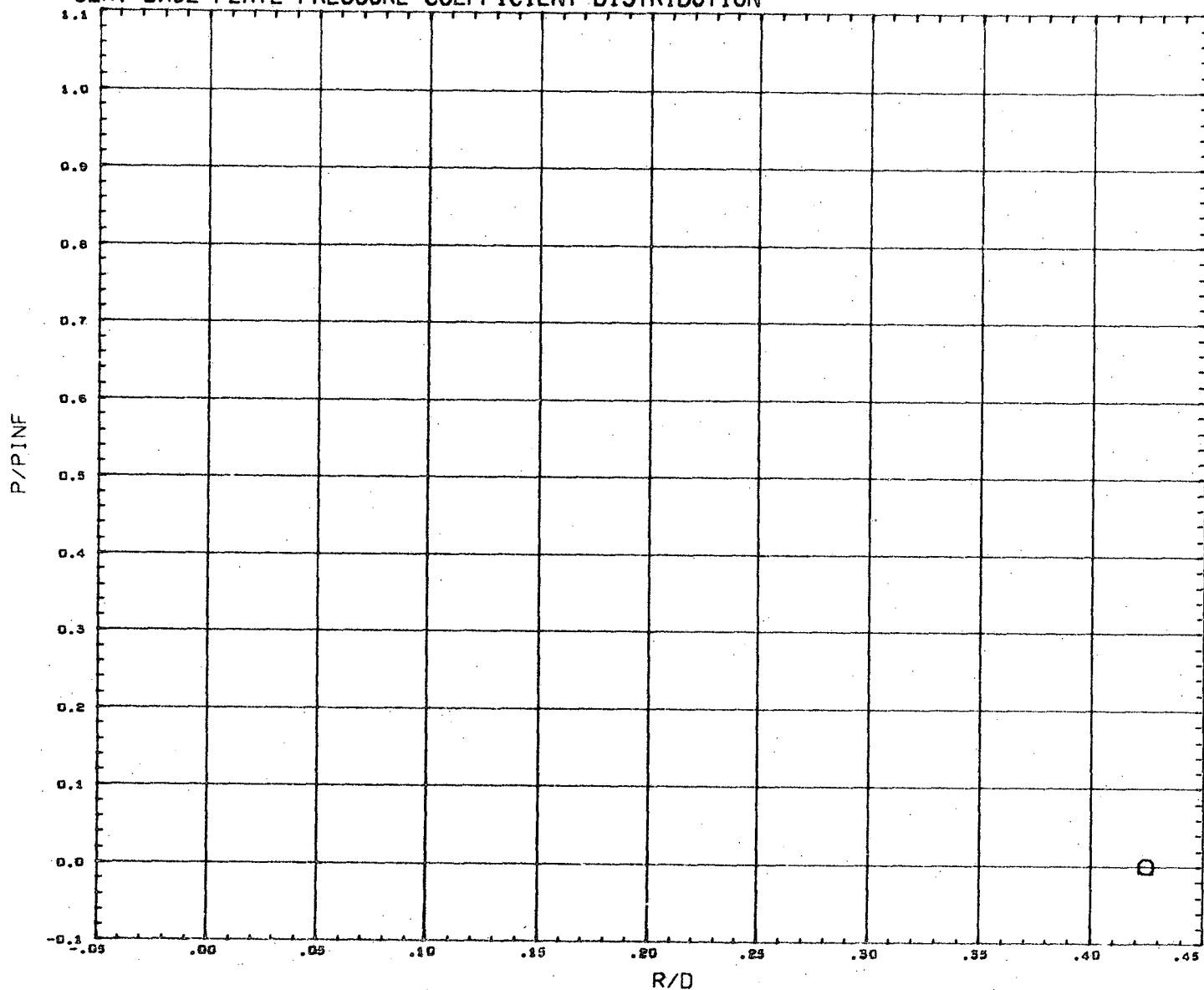


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	200.173	0.086	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			59.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 404.679 WS/WFC 0.000
◇	90.000									
□	135.000									
▽	174.380									
◻	269.000									

BB76RS068.FE02E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 200.173 0.086

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

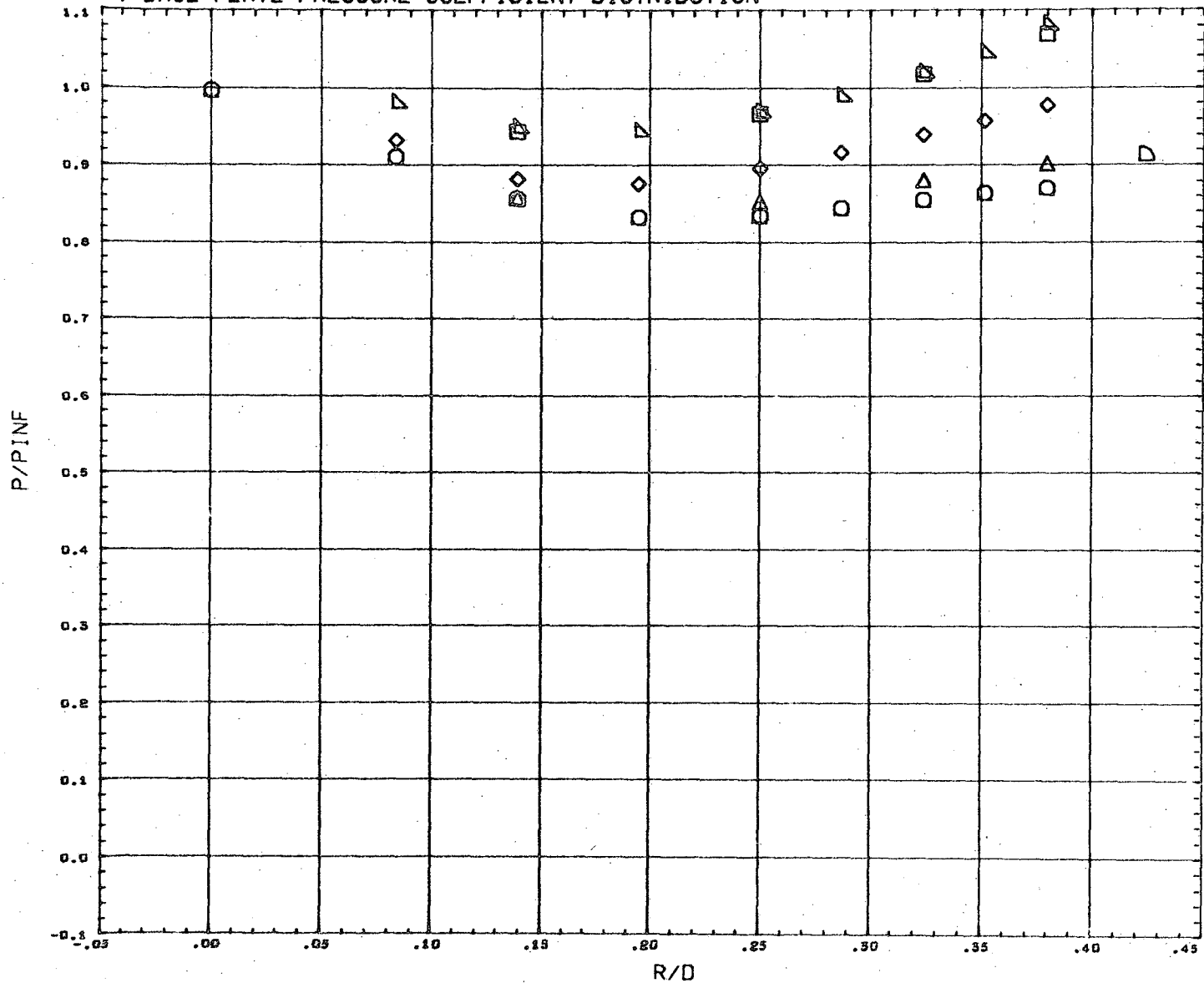
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 PC 404.679 WS/WFC 0.000

00000000.F000E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

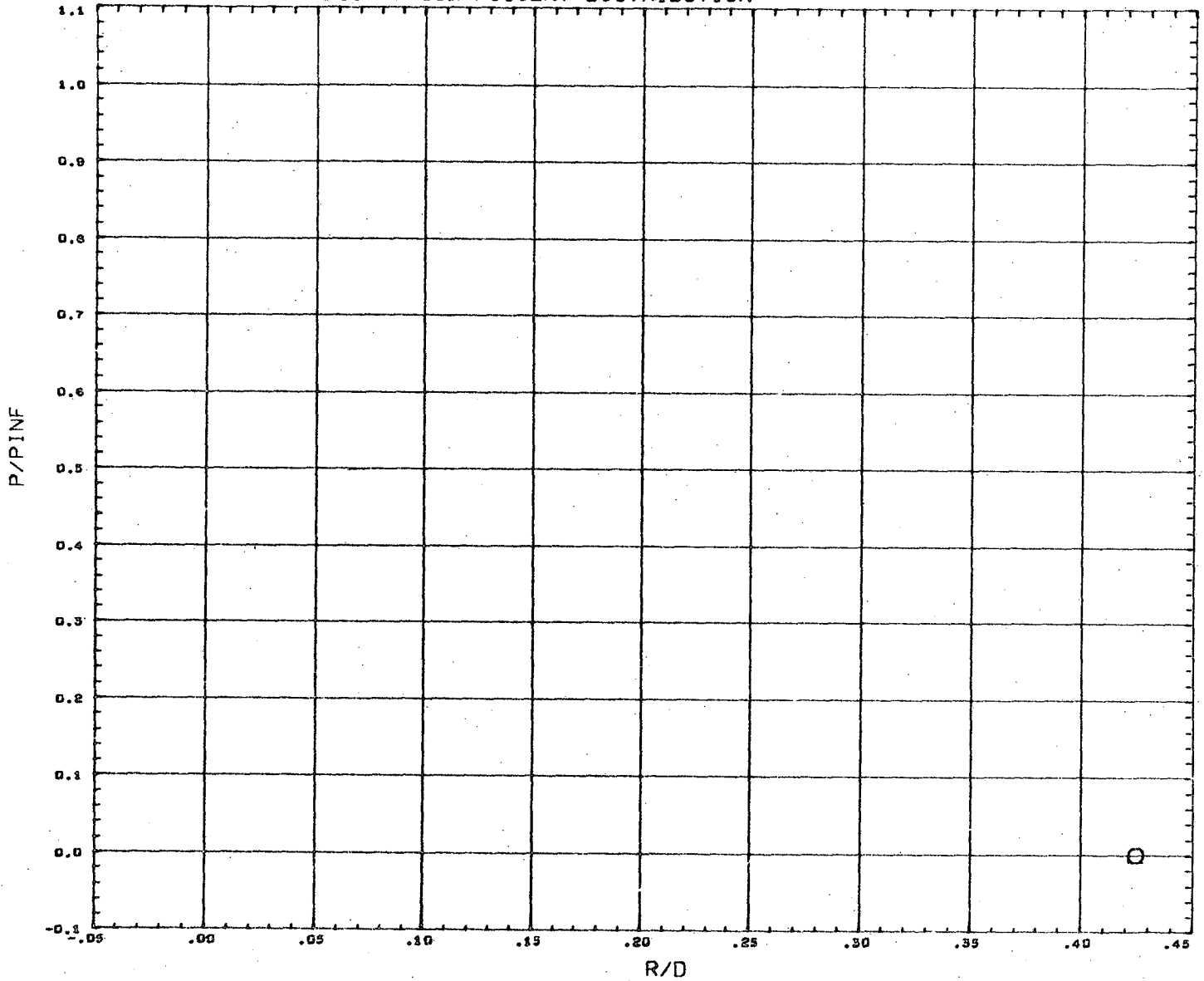


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	304.463	0.074	572.557	27.000	27.000	0.000	0.000	0.000	0.000
△	45.000			50.000	27.000	27.000	0.000	0.000	0.000	0.004
◇	90.000			50.000	27.000	27.000	0.000	0.000	0.000	0.000
□	135.000			50.000	27.000	27.000	0.000	0.000	0.000	0.000
▽	174.380			50.000	27.000	27.000	0.000	0.000	0.000	0.000
◻	269.000			50.000	27.000	27.000	0.000	0.000	0.000	0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL Q THETA 309.000 PRATIO 304.463 MACH 0.074

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

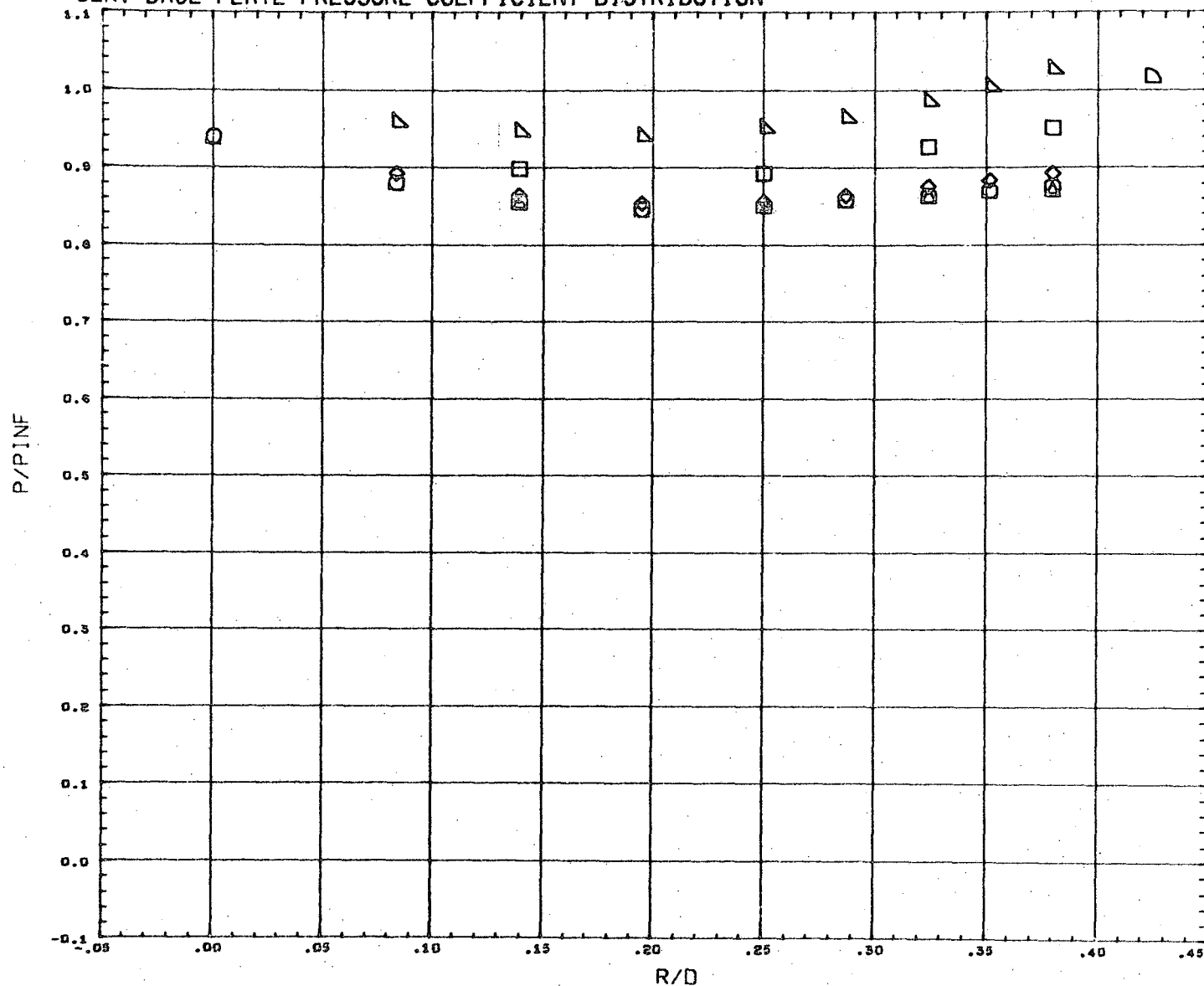
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PC 404.679 WS/WPC 0.000

08708068.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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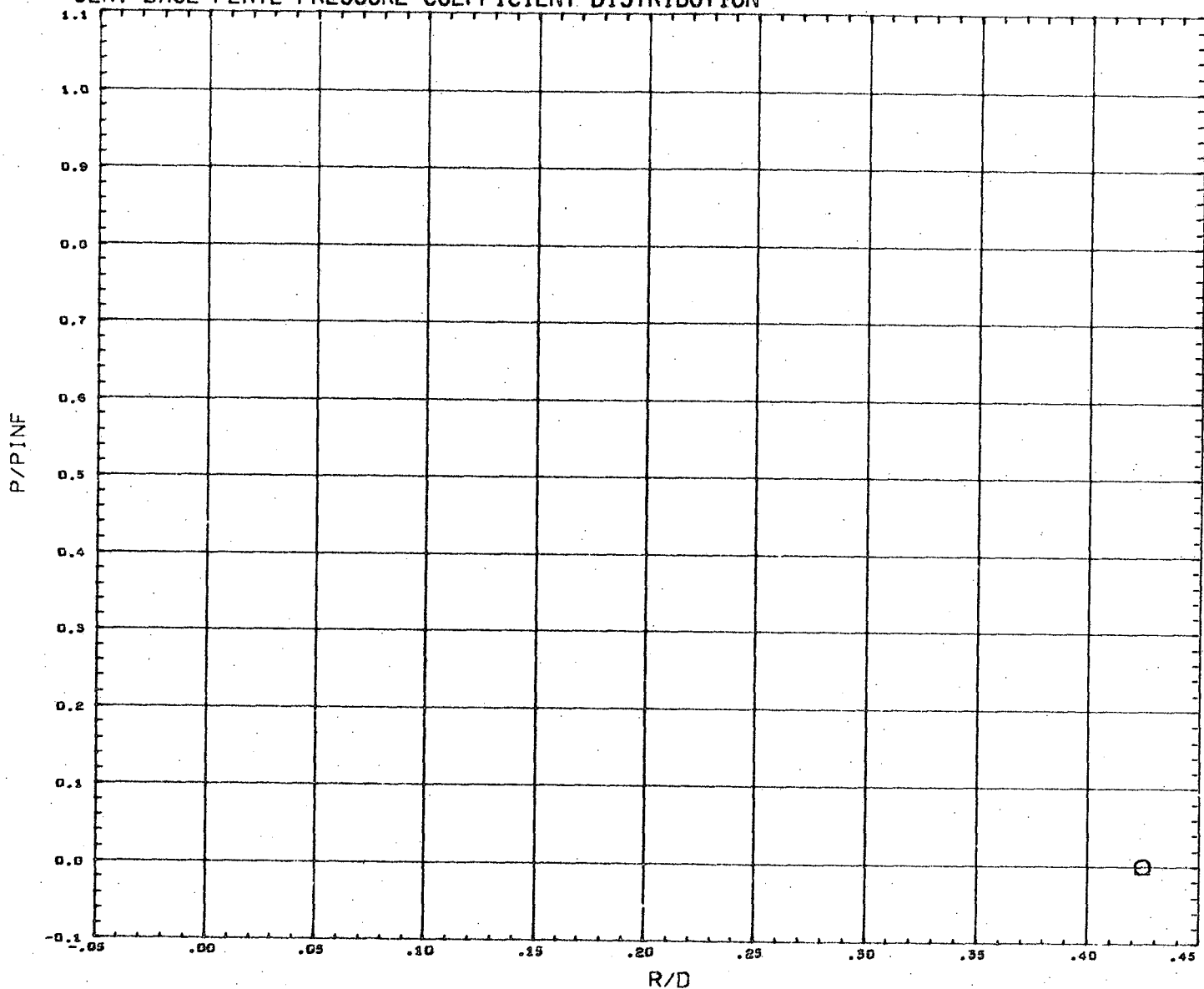
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.625	401.790	0.123	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
△	45.000			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	90.000													
□	135.000													
▽	174.380													
◻	269.000													

DATA BASE FILE CC80 TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.600 401.790 0.123

SREF 572.557 SQ.IN.
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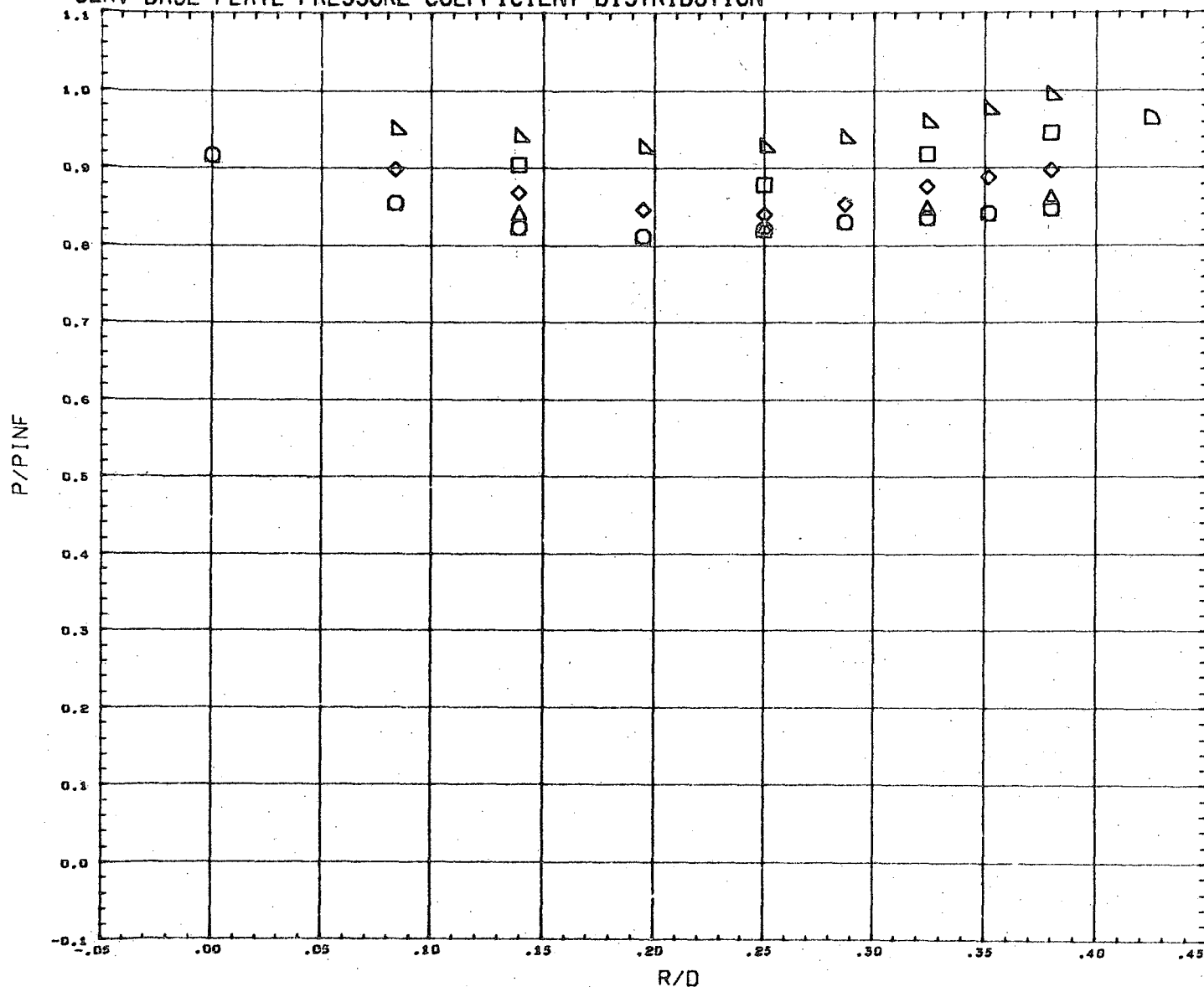
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 FC 404.679 WS/WPC 0.000

00708006.FE06 CC90 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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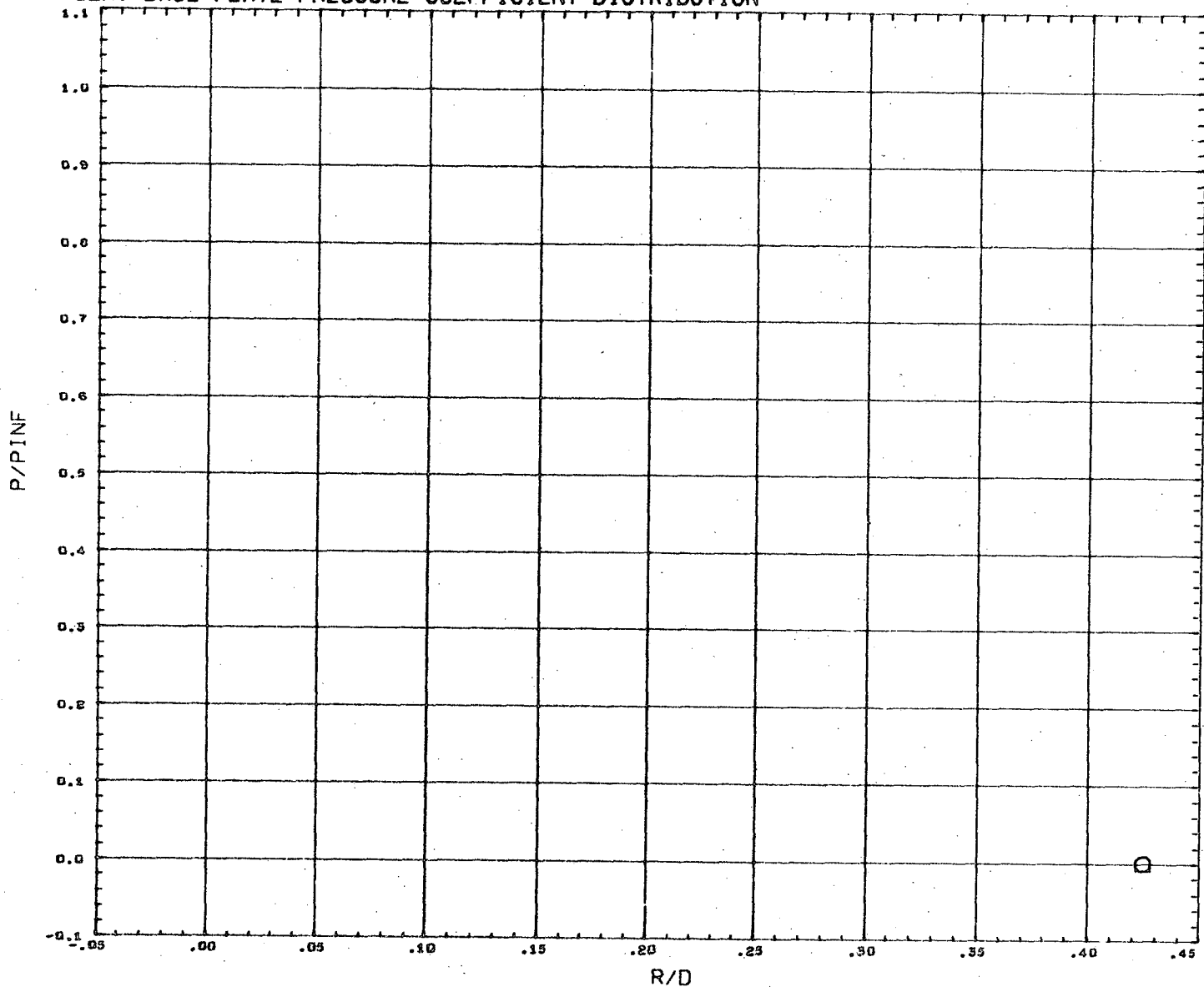
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	E/DOOR	PC	PARAMETRIC VALUES
○	5.620	481.607	0.131	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA 0.004
◇	45.000			INCHES			DIAMTR					WS/WFC 0.000
△	90.000											
□	135.000											
▽	174.380											
◊	269.000											

DIFFERENCE.FCLGE CCSD TM-AP-70-449

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 481.657 0.131

SREF 572.557 SQ. IN.
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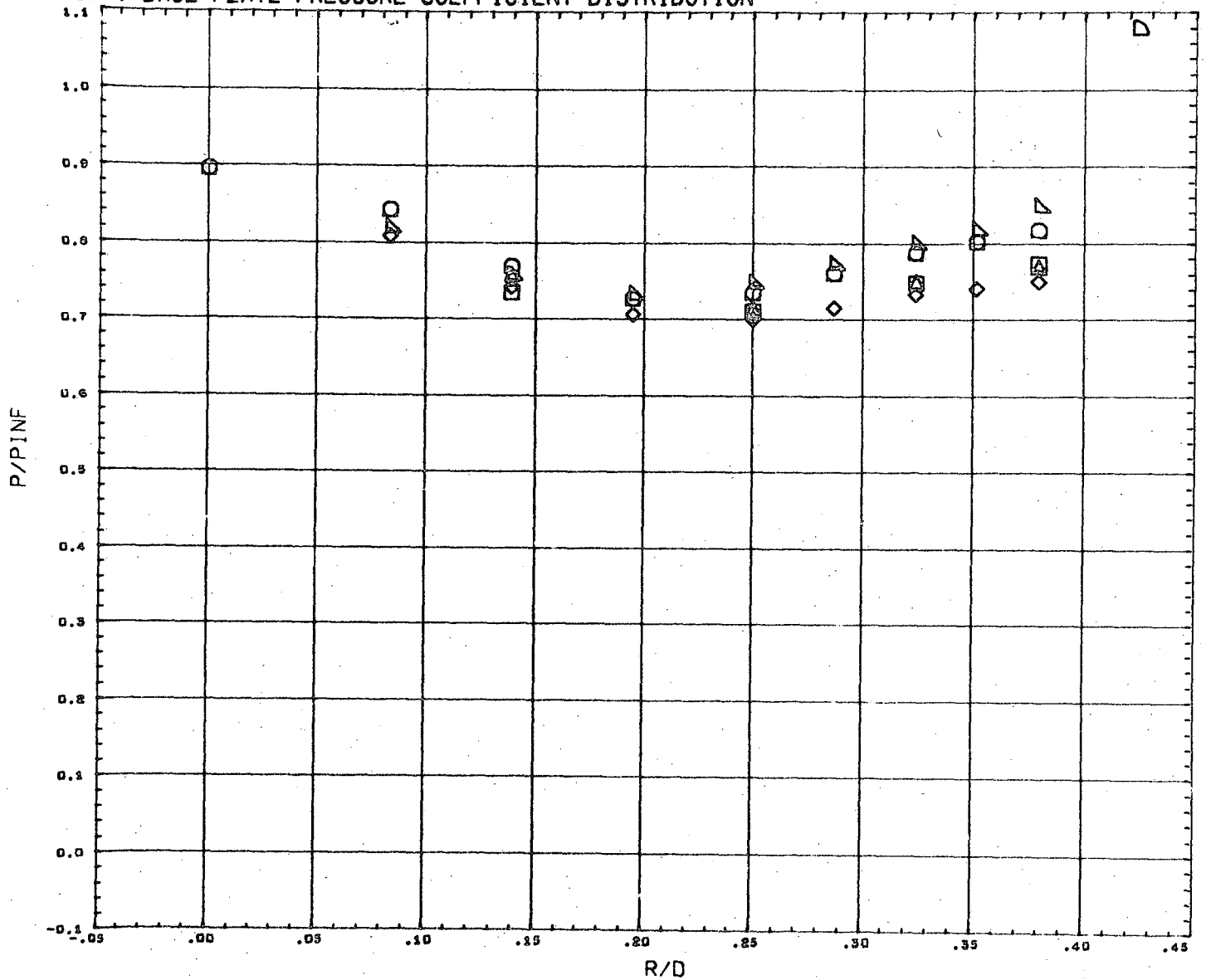
PARAMETRIC VALUES
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 FC 404.679 WS/WPC 0.000

0870006.FE02E CCSD TM-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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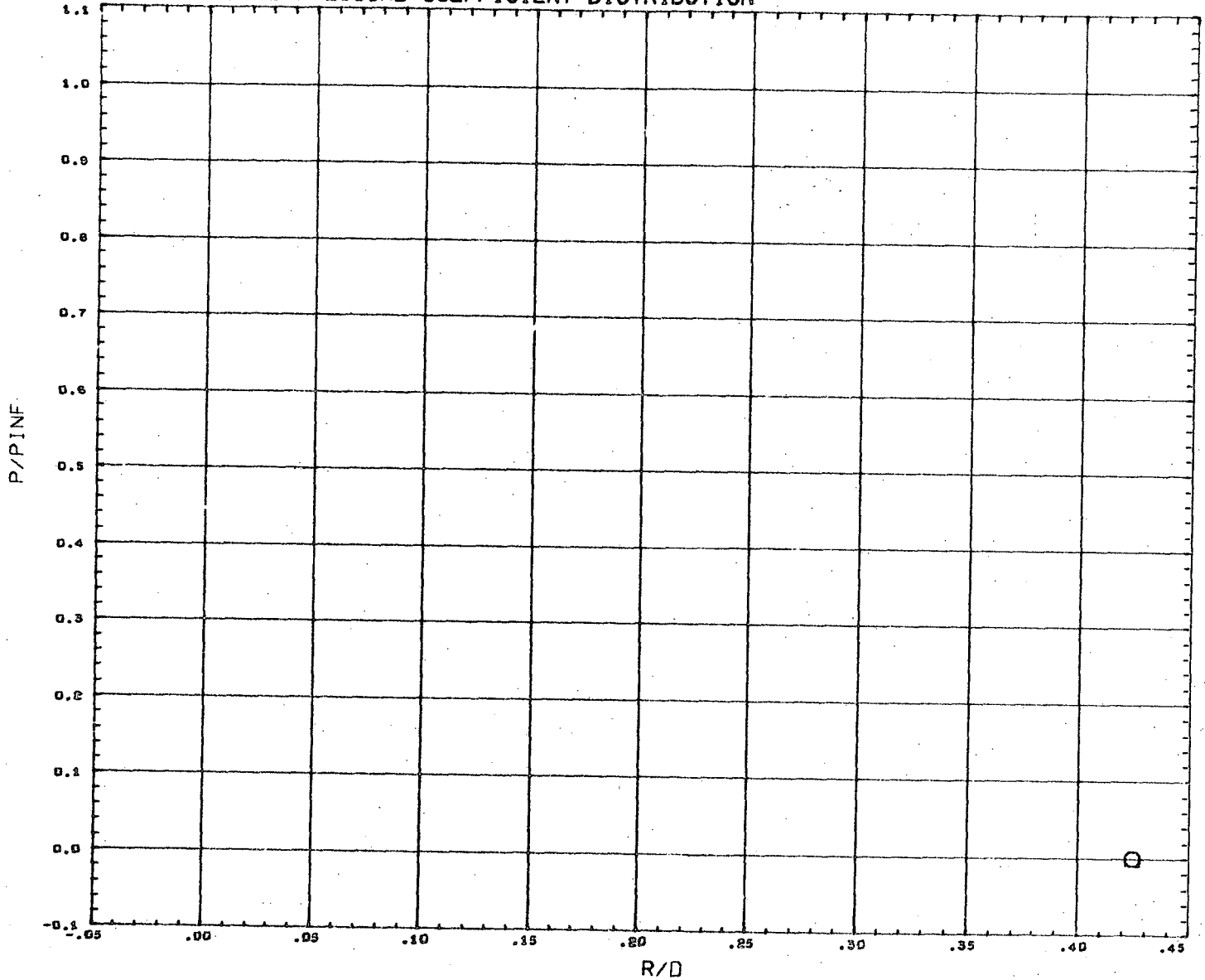
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
△	45.000			50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	90.000													
□	135.000													
◻	174.390													
◼	269.000													

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 201.700 0.650

SREF 572.557 58.IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
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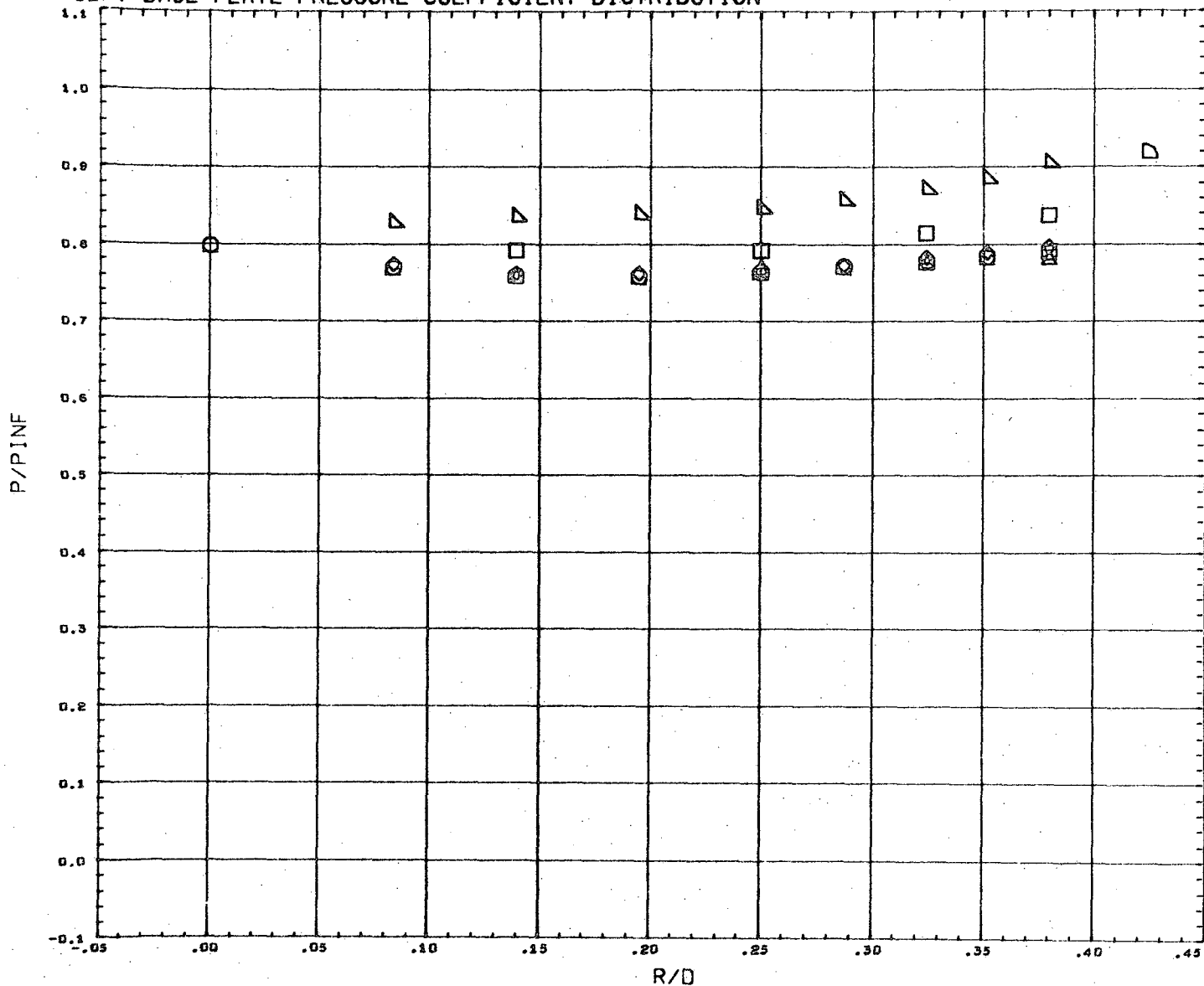
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 PC 404.679 WS/WPC 0.000

BS70RB068.F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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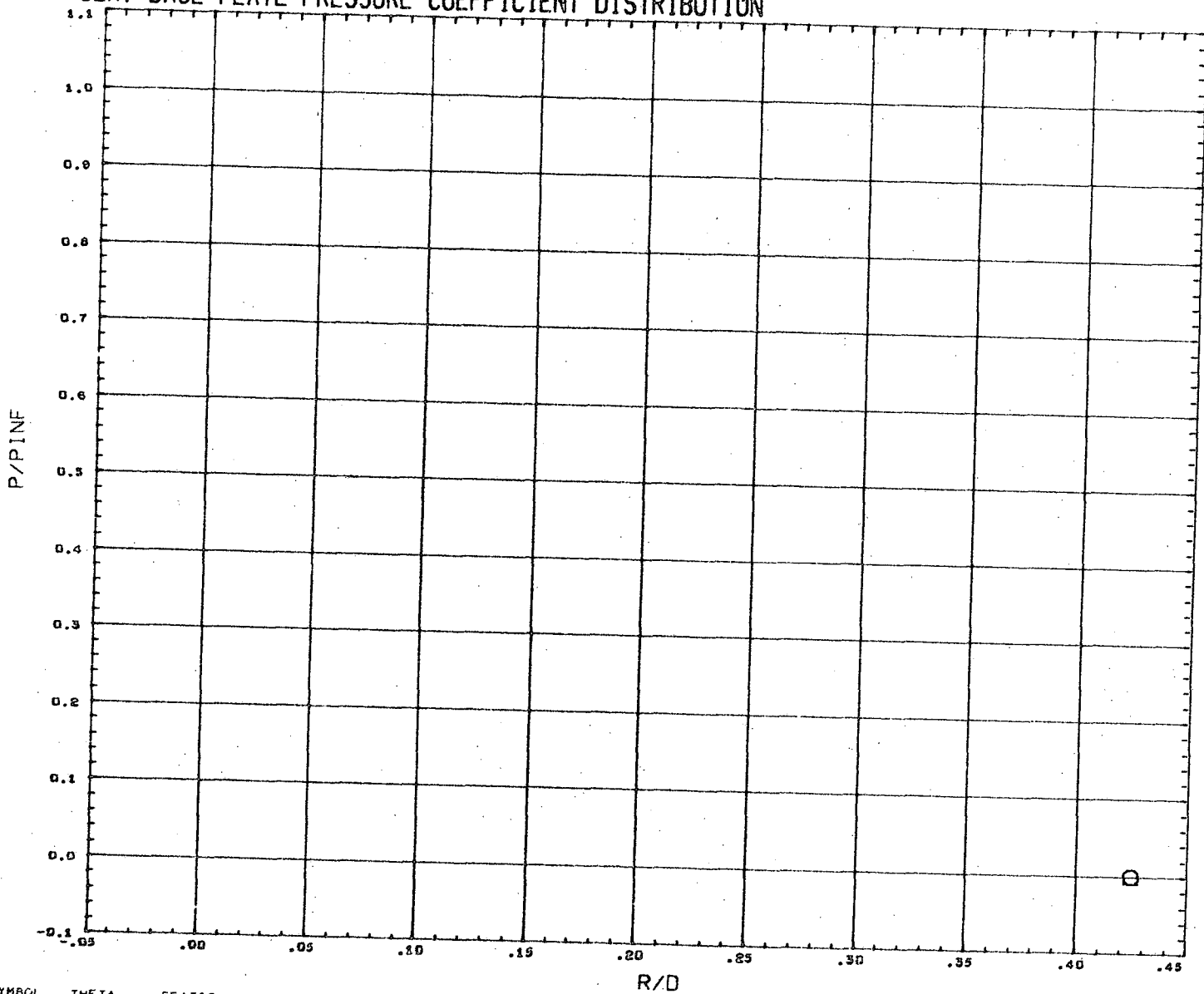
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
△	45.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
◇	90.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
□	135.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
▽	174.380			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
◇	269.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000

88788888.FC02E CC00 TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \bigcirc THETA 309.000 PRATIO 401.290 MACH 0.598

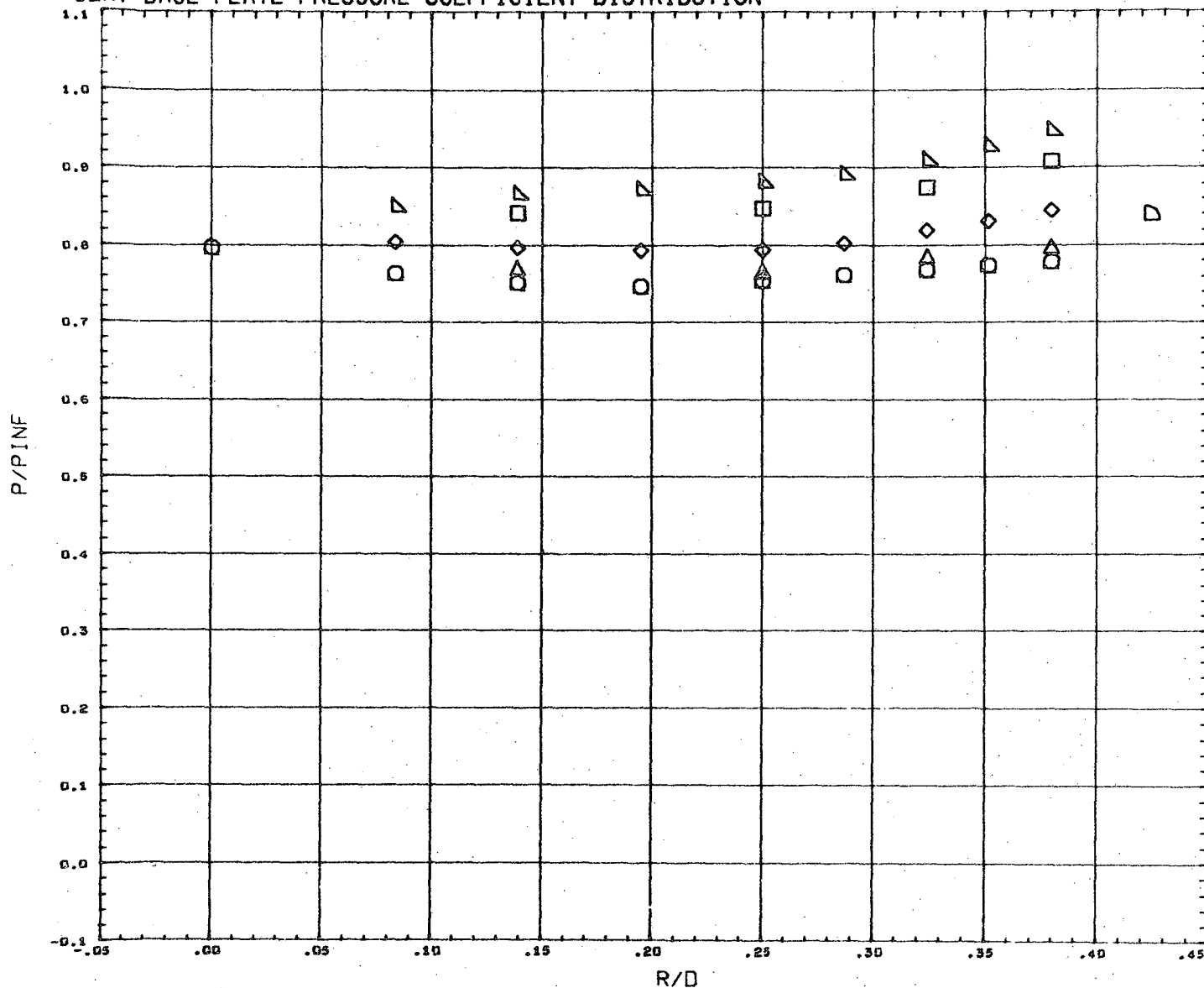
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LREF 27.000 INCHES
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YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

00000000.F002E CCSD TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



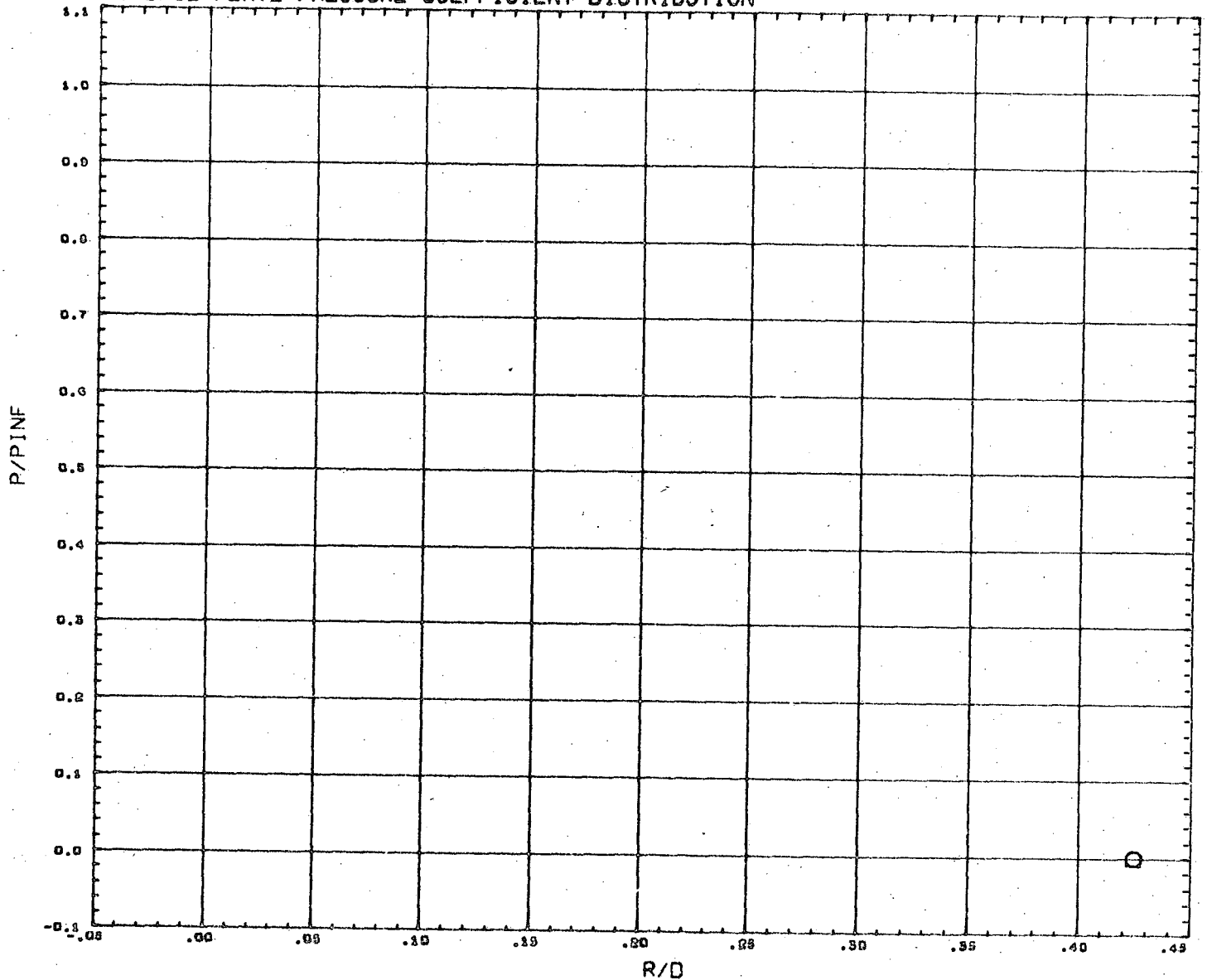
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○	5.620	578.883	0.598	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
◇	45.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
◇	90.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
□	135.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
△	174.380			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000
△	269.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.000	0.000	0.000	0.000

88788866.FECC - CC80 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 300.000 570.883 0.598

SREF 572.557 58. IN.
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 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
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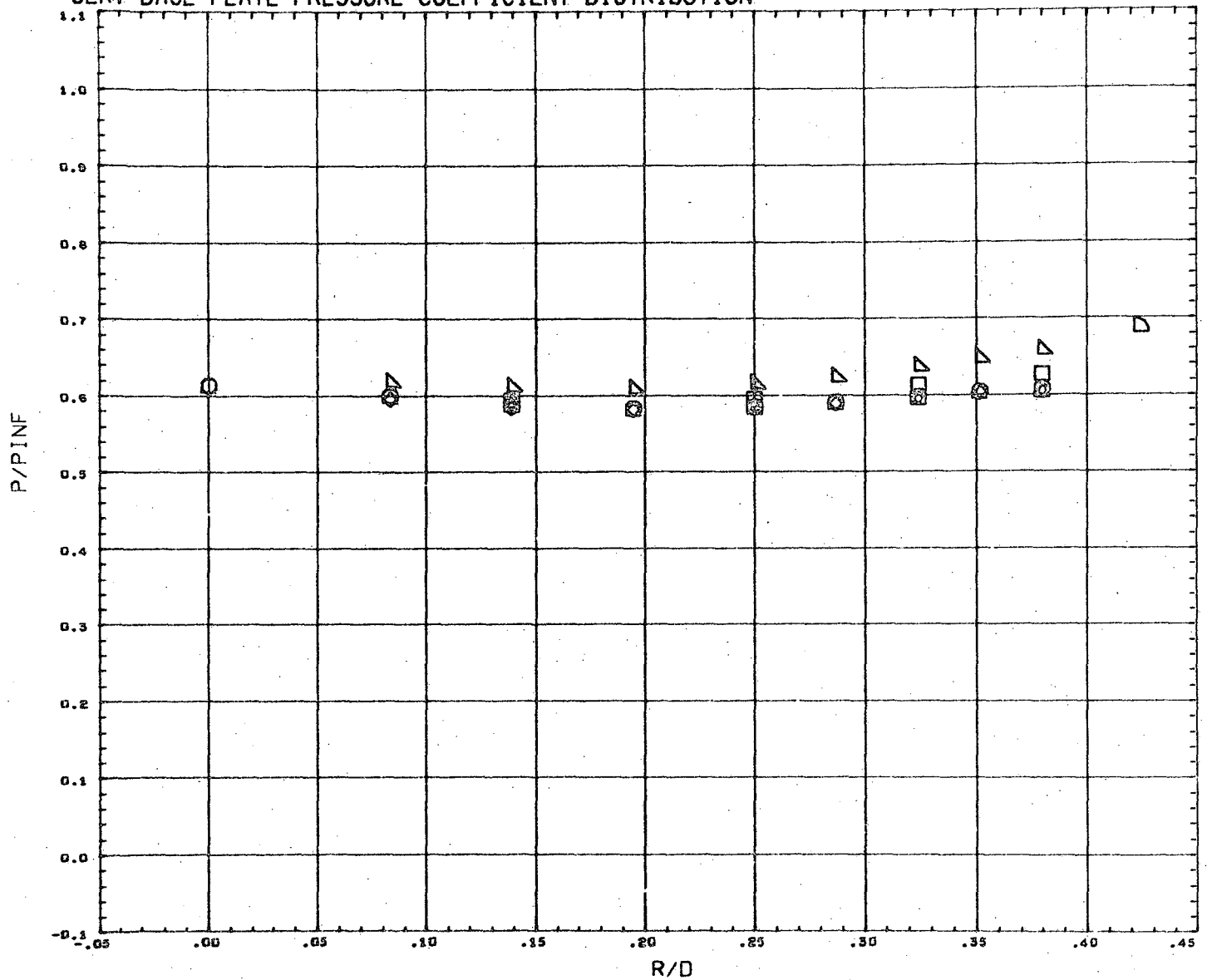
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 PC 404.679 WS/WFC 0.000

00000000.F000E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



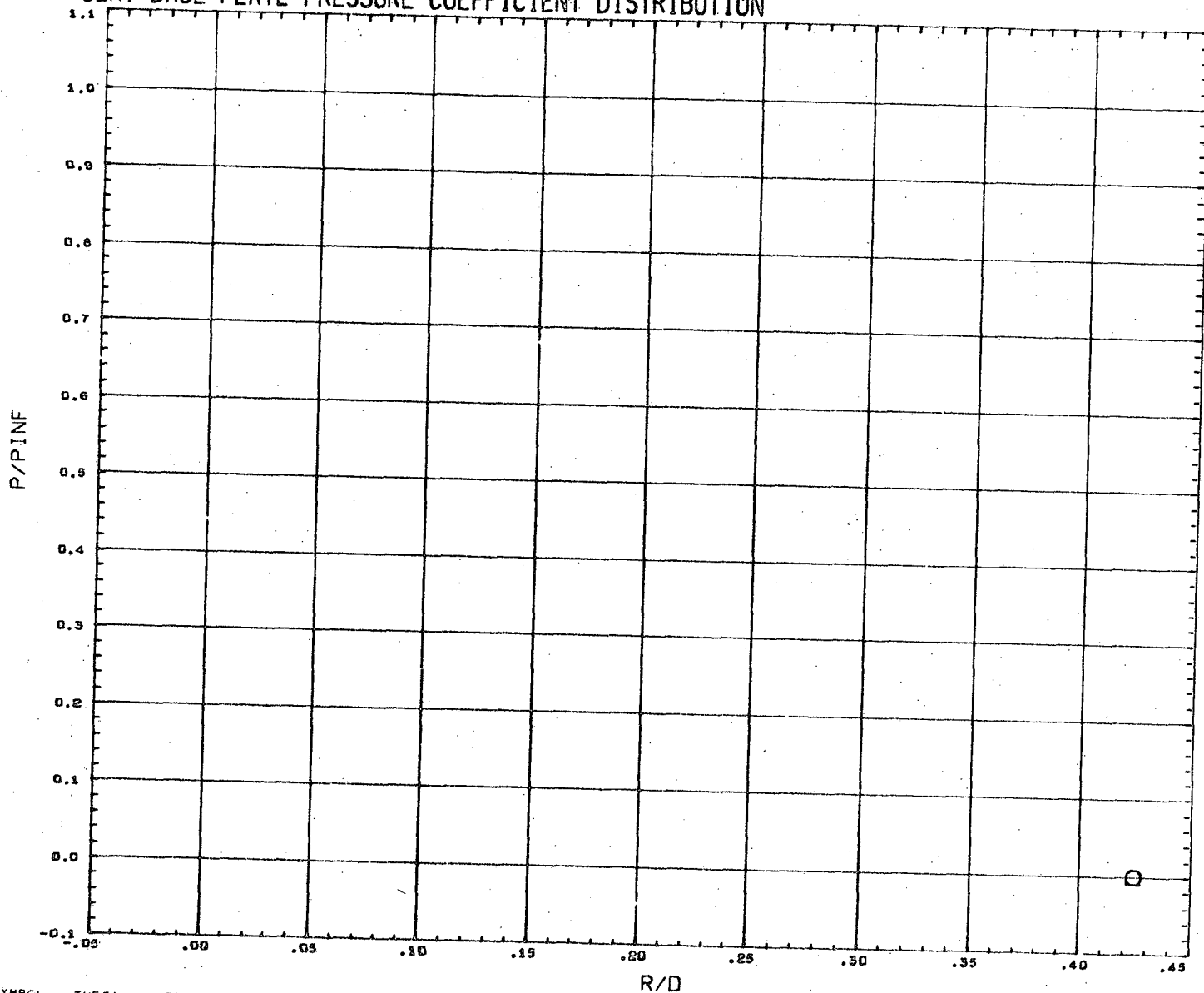
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◇	45.000			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
□	90.000													
△	135.000													
▽	174.300													
○	269.000													

BASEBOGE.FSCOE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 302.353 0.801

SREF 572.557 SQ. IN.
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 YMRP 0.000 DIAMTR
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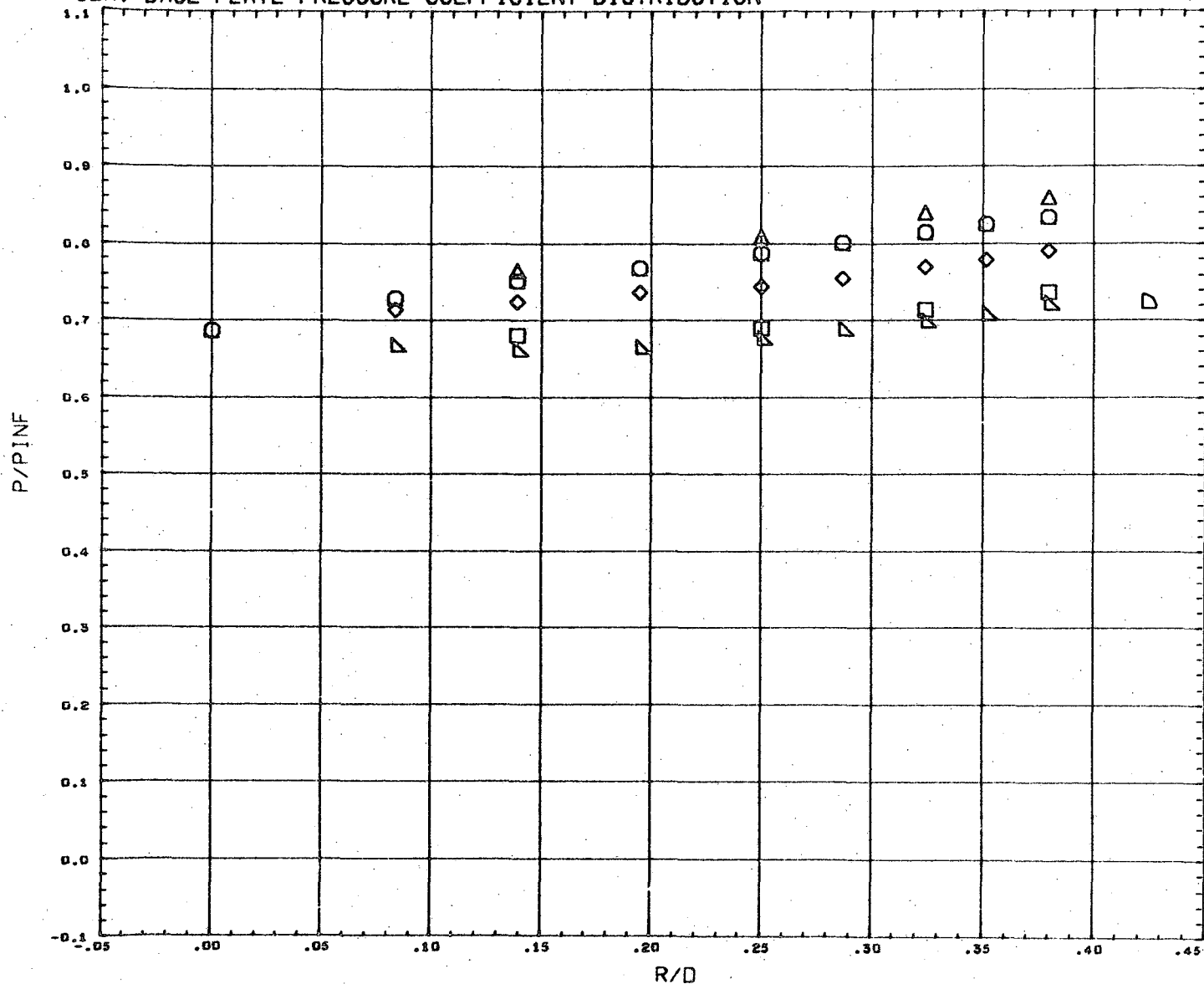
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 PC 404.679 WS/WPC 0.000

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AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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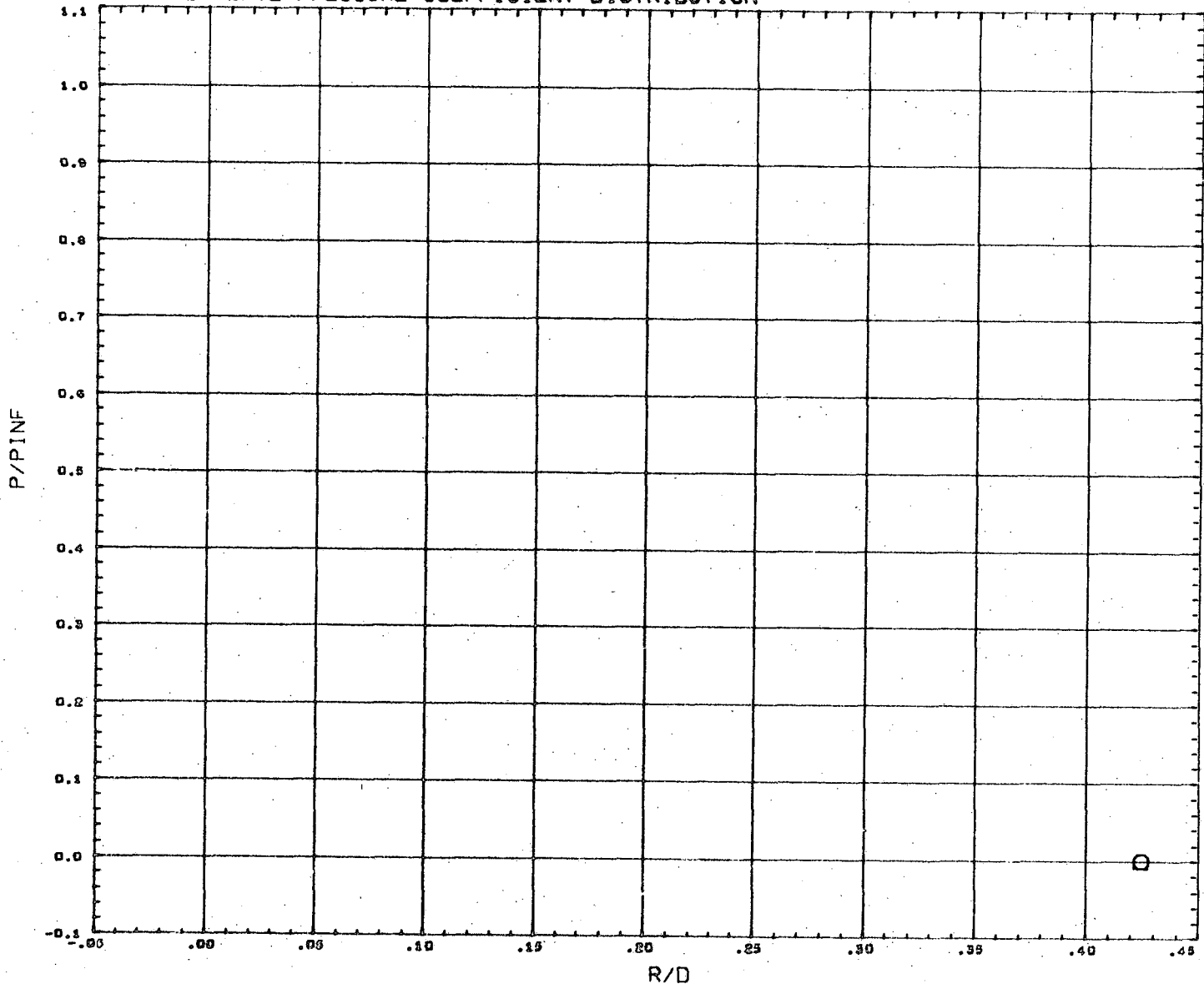
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	PARAMETRIC VALUES
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◇	45.000									FC 404.679 WS/WFC 0.000
△	90.000									
□	135.000									
▽	174.380									
◇	269.000									

0876R0003.FEC0E CC80 TN-AP-70-449

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 400.007 0.798

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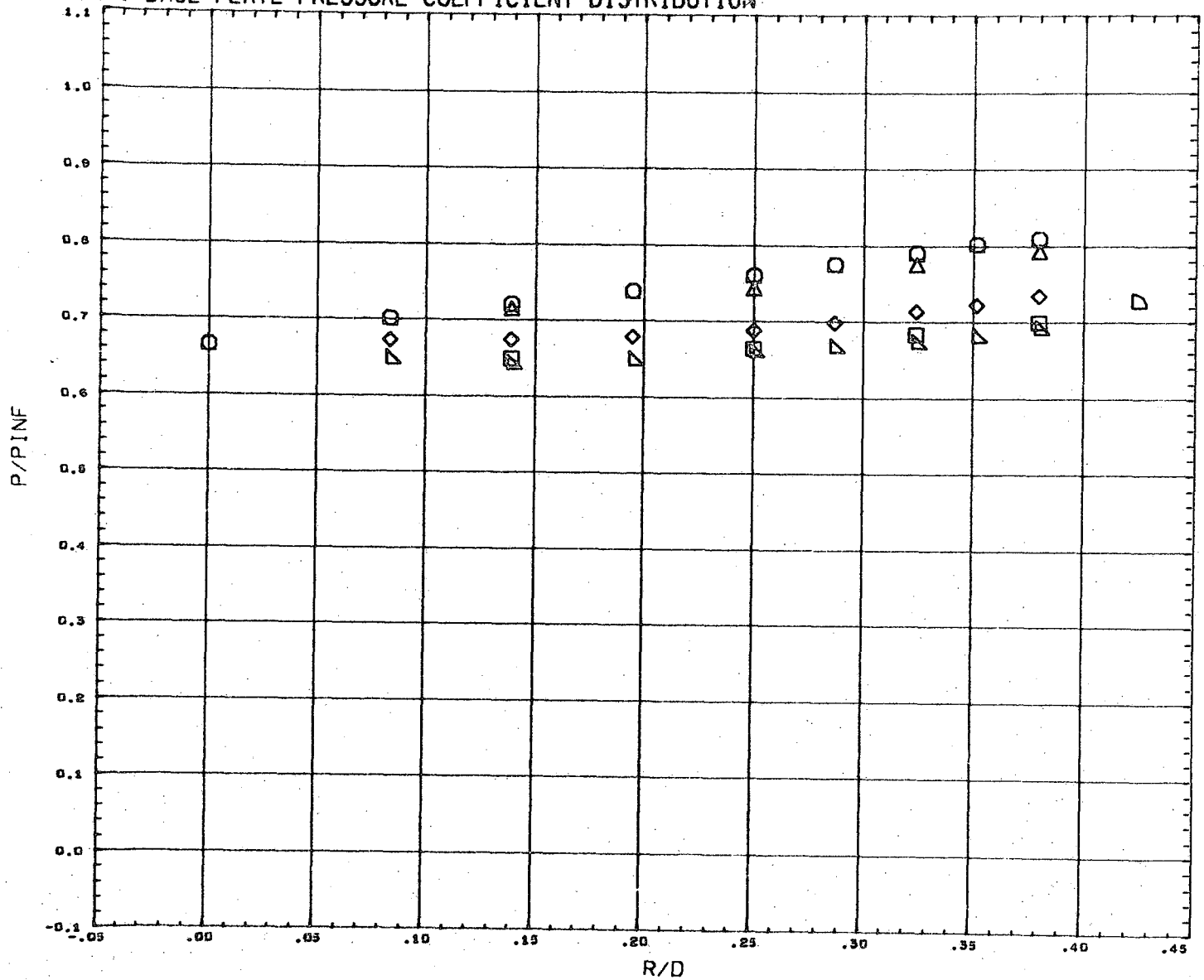
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 PC 404.679 WS/WPC 0.000

00080006.FEIGE CC09 TH-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



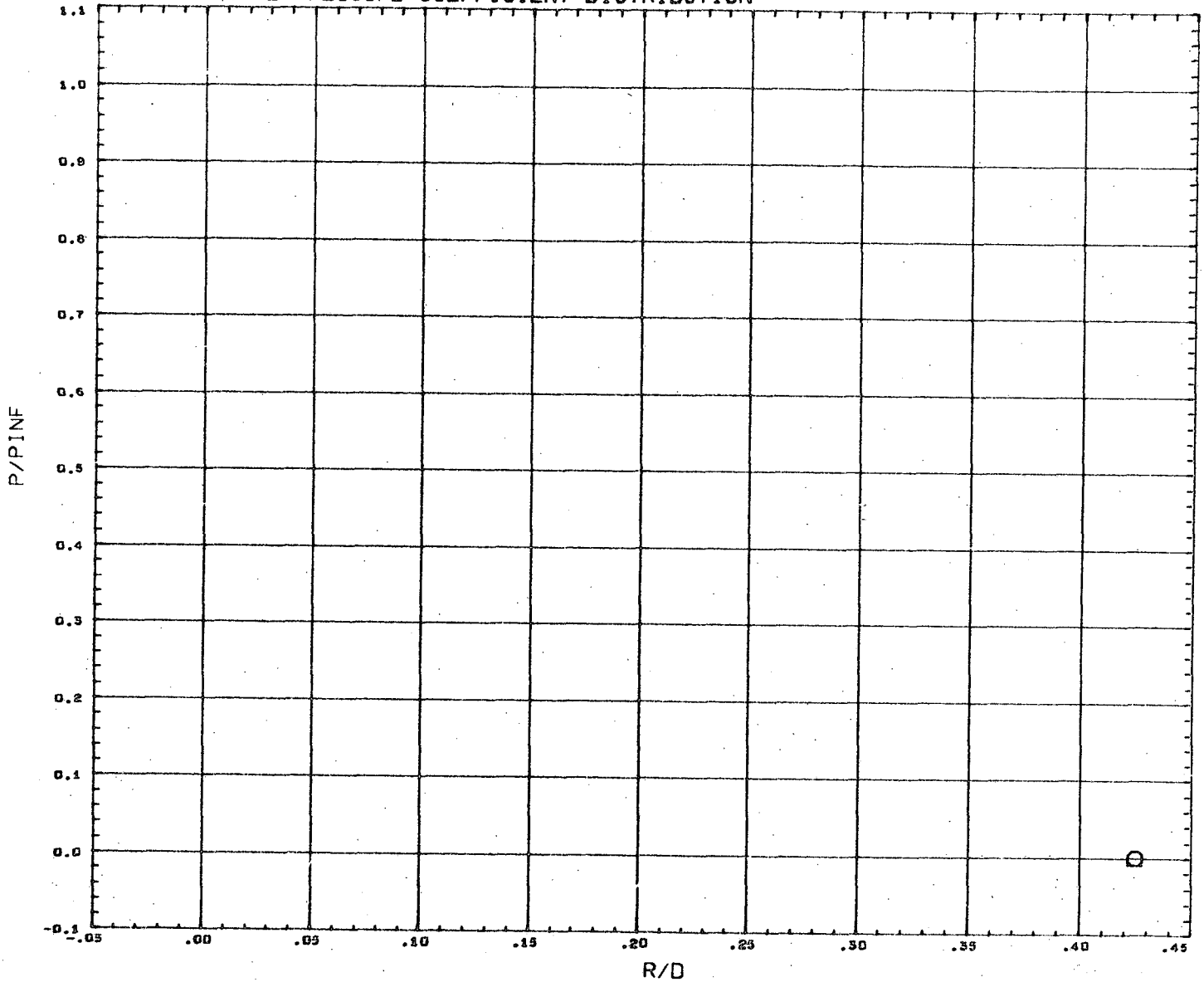
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△	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	90.000			27.000	INCHES	INCHES	0.000	0.000	0.000	
□	135.000			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000	
▽	174.360			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000	
◊	269.000			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000	

0898R0060.FEC0E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \bigcirc THETA 309.000 PRATIO 499.307 MACH 0.799

SREF 572.557 SQ. IN.
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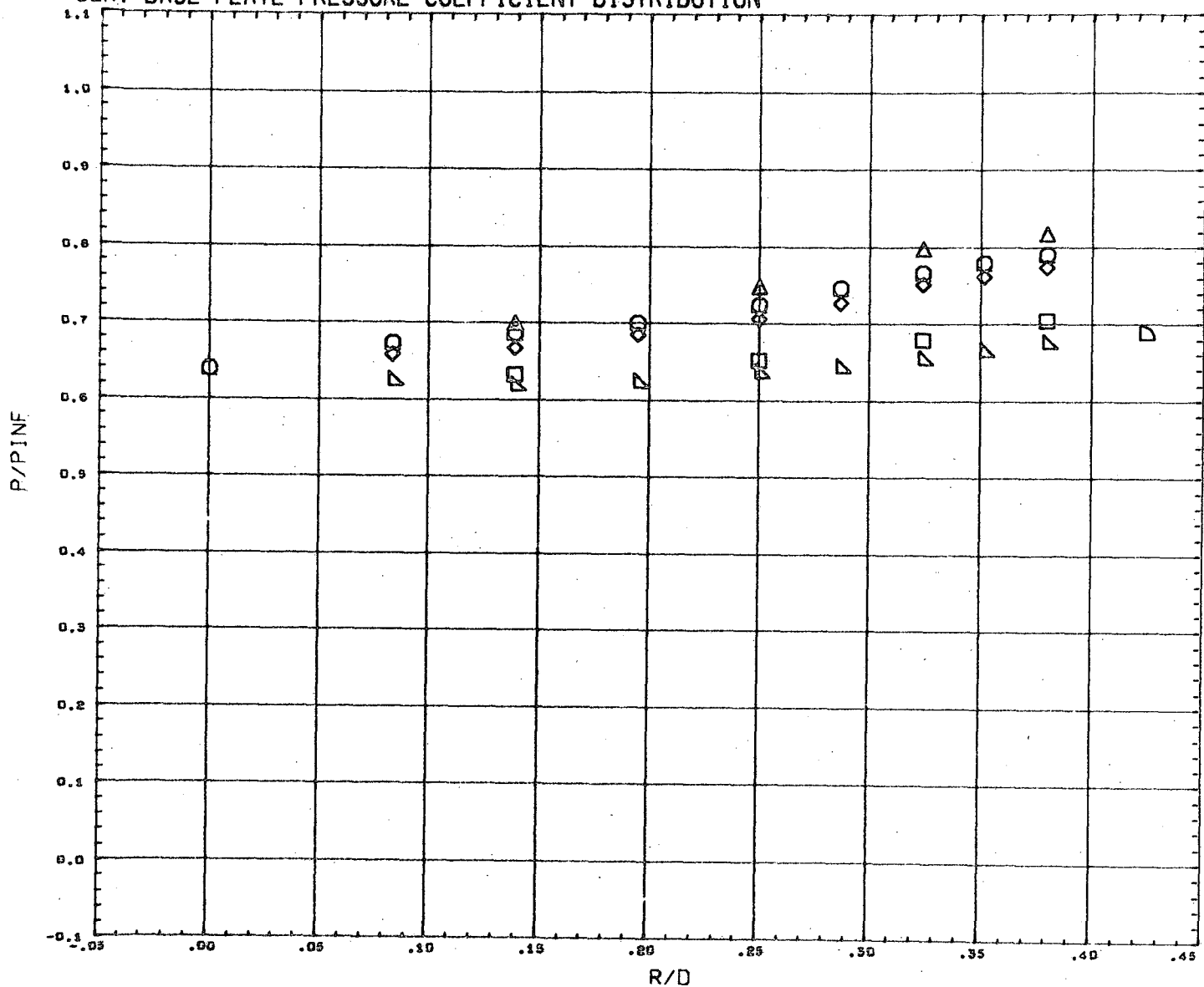
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FC 404.679 WS/WFC 0.000

087588068.FEICE CC89 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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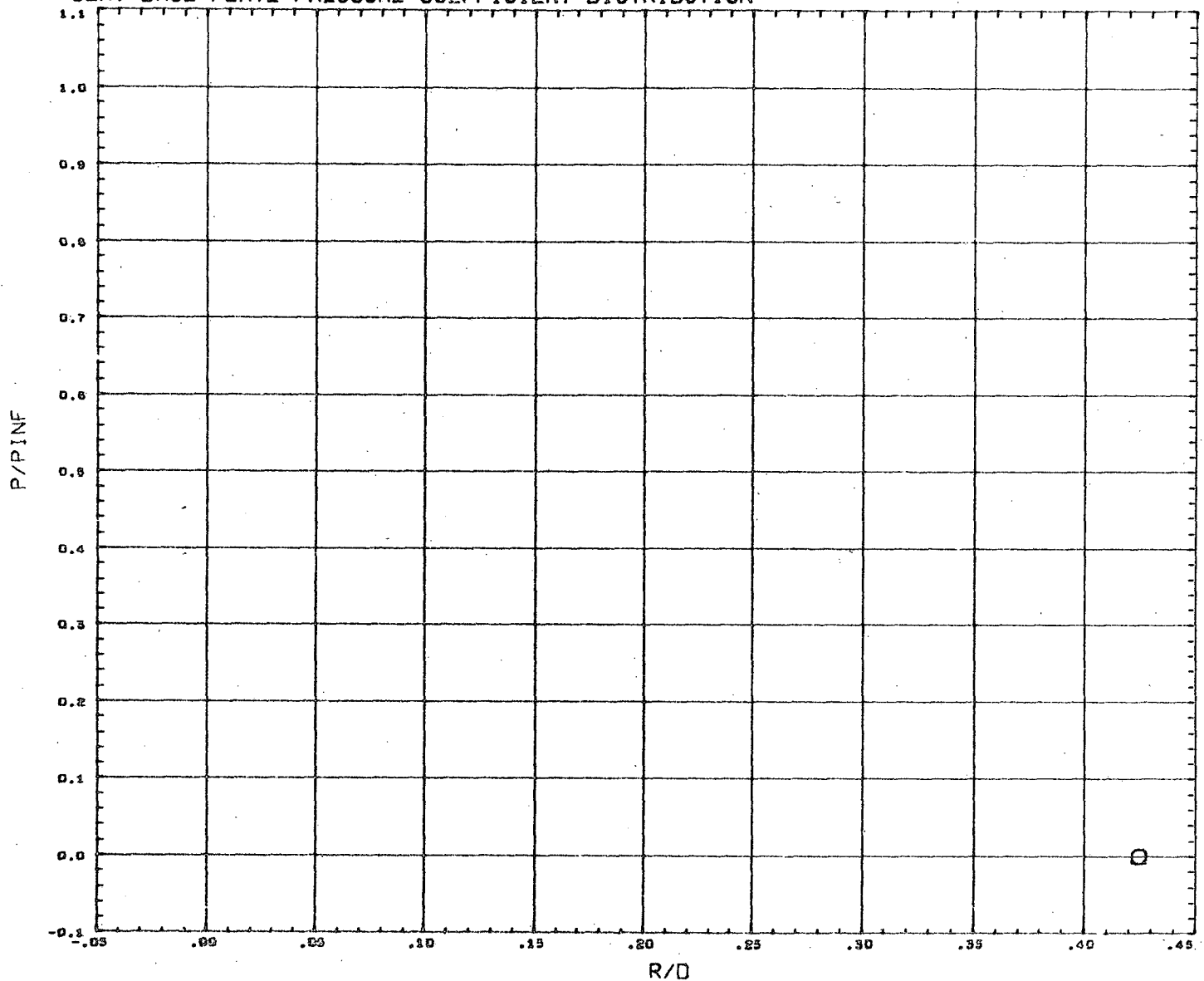
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
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	90.000			XMRP	0.000	DIAMTR			
	135.000			YMRP	0.000	DIAMTR			
	174.380			ZMRP	0.000	DIAMTR			
	269.000								

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 688.802 0.803

SREF 572.557 50.IN.
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 BREF 27.000 INCHES
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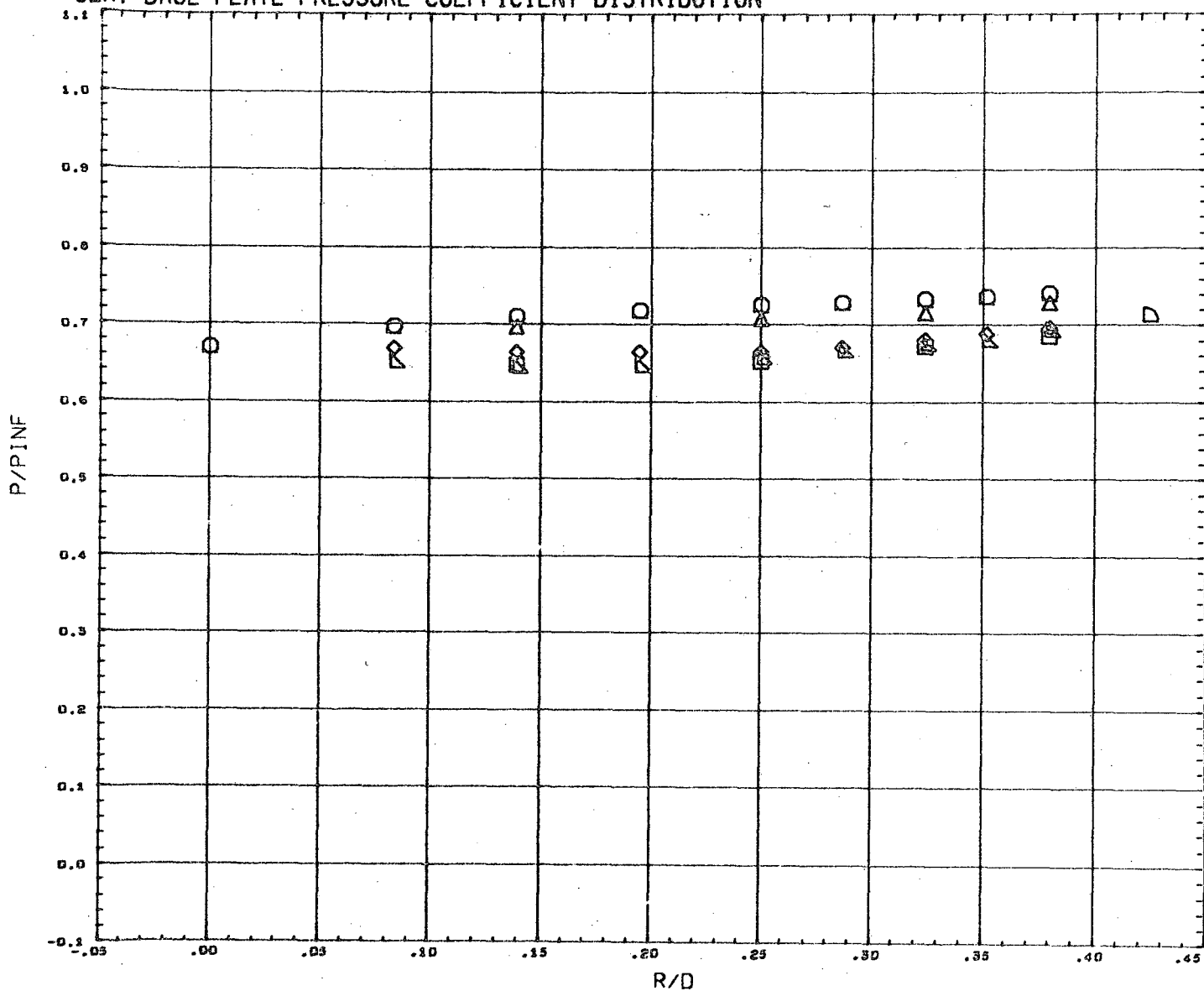
PARAMETRIC VALUES
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 FC 404.679 WS/WFC 0.000

DATA SOURCE: FC03E CC00 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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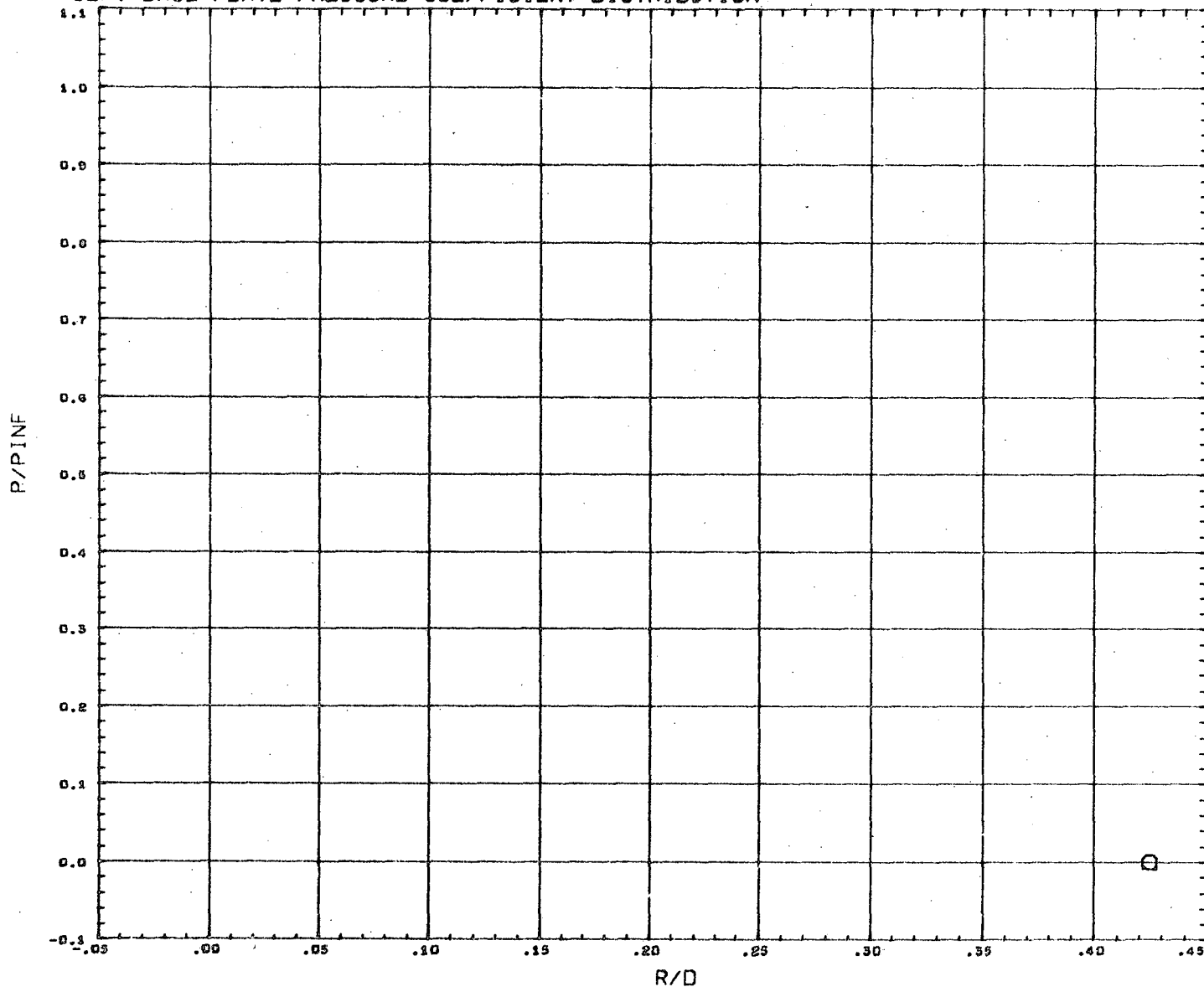
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SØ. IN.	E/DOOR	0.000	ALPHA	0.004
○	45.000	306.157	0.905	LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	90.000			BREF	27.000	INCHES				
◻	135.000			XMRP	0.000	DIAMTR				
△	174.380			YMRP	0.000	DIAMTR				
▽	269.000			ZMRP	0.000	DIAMTR				

DATA BASE FILE CCSD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 306.157 0.905

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

00000000.FECEE CC60 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

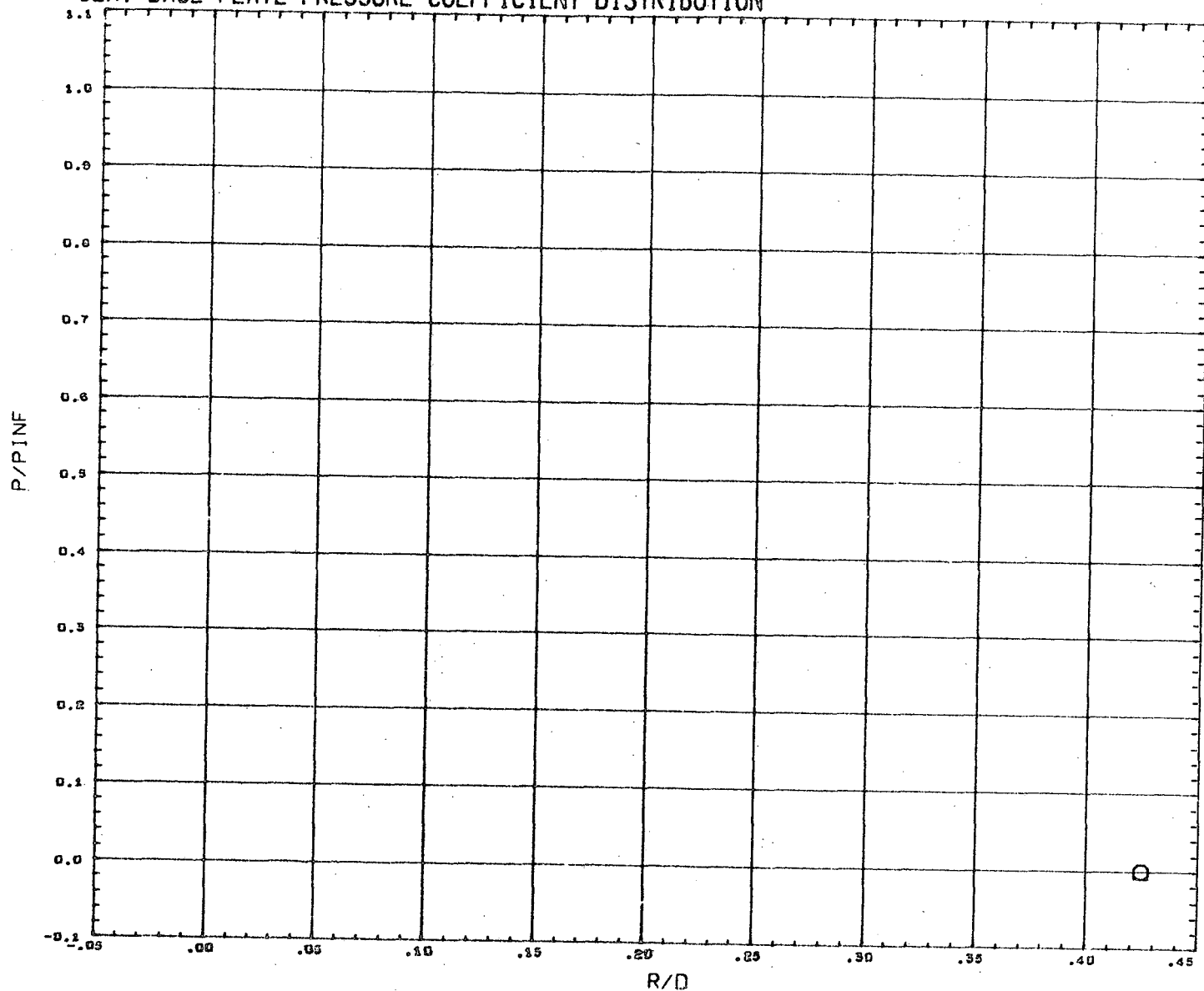
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Figure 1 is a scatter plot titled "PRESSURE COEFFICIENT DISTRIBUTION". The vertical axis (y-axis) is labeled "Cp" and ranges from -1.0 to 1.0 with major grid lines every 0.1 units. The horizontal axis (x-axis) is labeled "x" and ranges from 0.00 to 0.45 with major grid lines every 0.05 units. The plot displays data points for three different conditions, represented by open circles, open triangles, and open squares. The data points are clustered between x=0.00 and x=0.45, with Cp values ranging from approximately -0.7 to 0.75. The distribution shows a general trend of increasing Cp with increasing x, with some scatter and outliers.

x	Cp (Circles)	Cp (Triangles)	Cp (Squares)
0.00	0.64		
0.08	0.68	0.62	0.64
0.14	0.70	0.68	0.62
0.20	0.72	0.63	0.64
0.25	0.73	0.70	0.64
0.32	0.74	0.65	0.66
0.35	0.75	0.67	0.68
0.38	0.75	0.73	0.67
0.43			0.69

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 399.707 0.990

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMPF 0.000 DIAMTR
 YMPF 0.000 DIAMTR
 ZMPF 0.000 DIAMTR

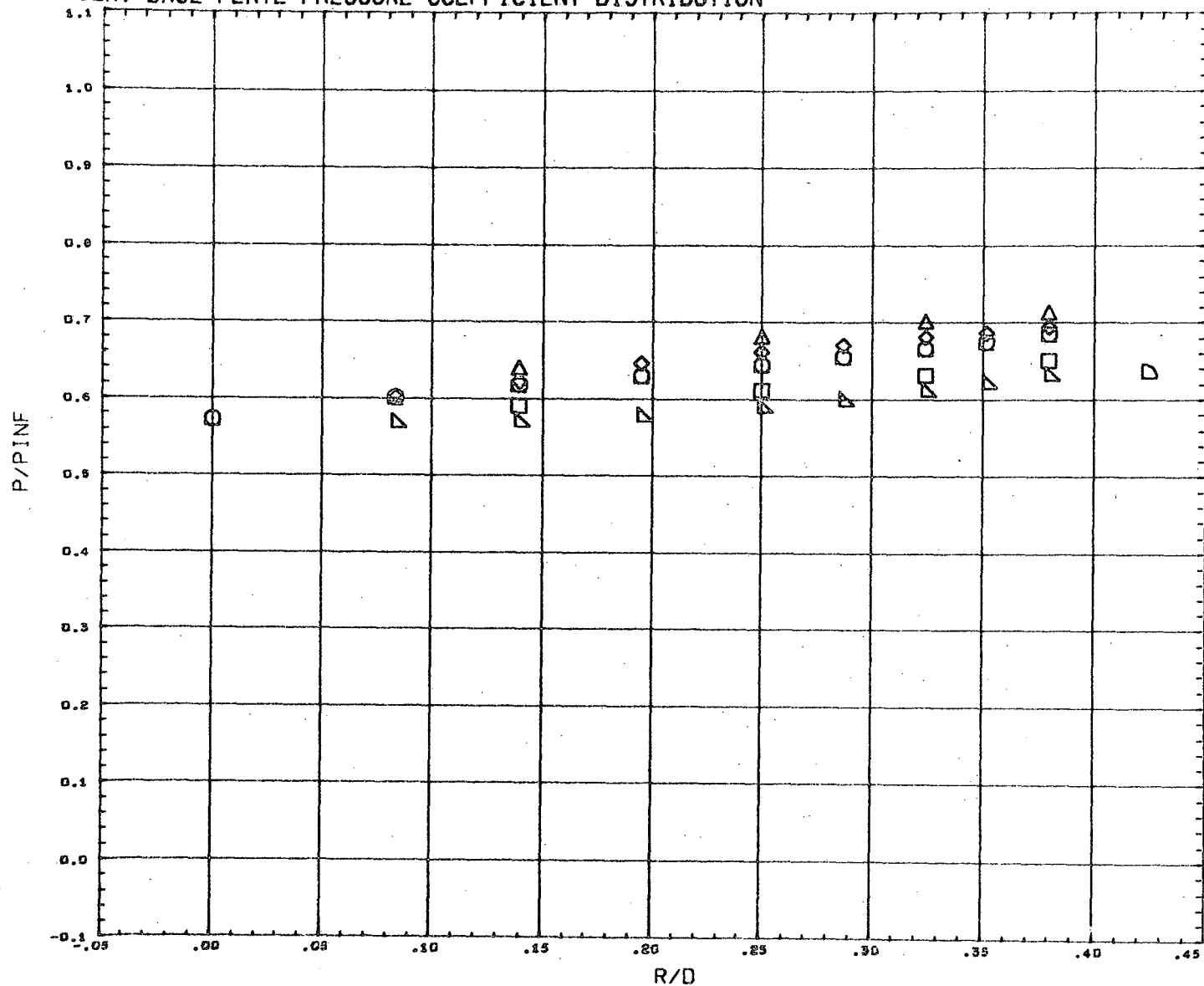
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

05080800.F002E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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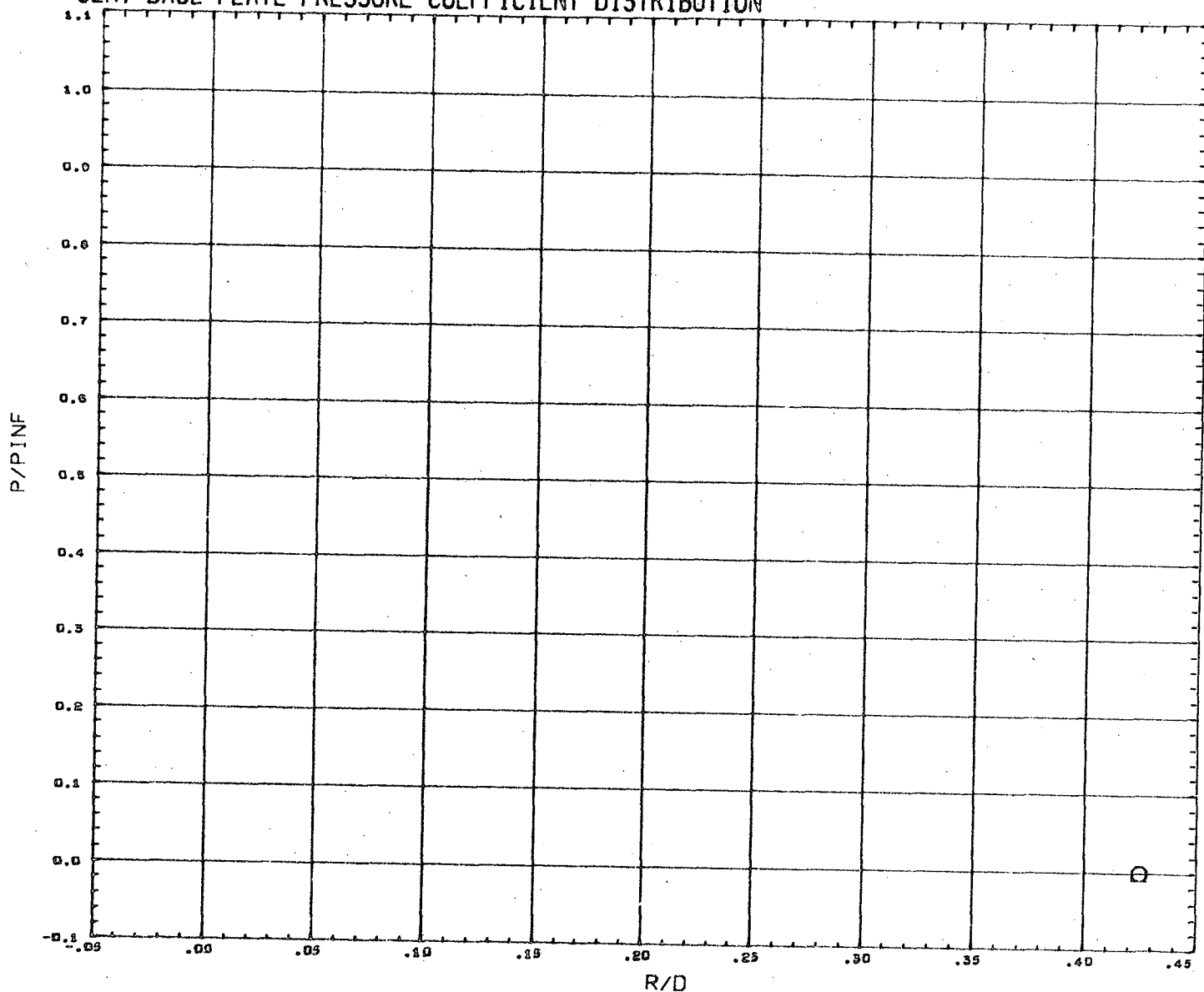
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES
○	5.620	600.200	0.095	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	0.000
△	45.000			50. IN.	INCHES	INCHES	DIANTR	DIANTR	DIANTR			ALPHA 0.004
◇	90.000											WS/WFC 0.000
◻	135.000											
▽	174.360											
◊	269.000											
DSVBRD064.FCCE CCSD TH-AP-70-445												

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 600.200 0.895

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
 YREF 0.000 DIAMTR
 ZREF 0.000 DIAMTR

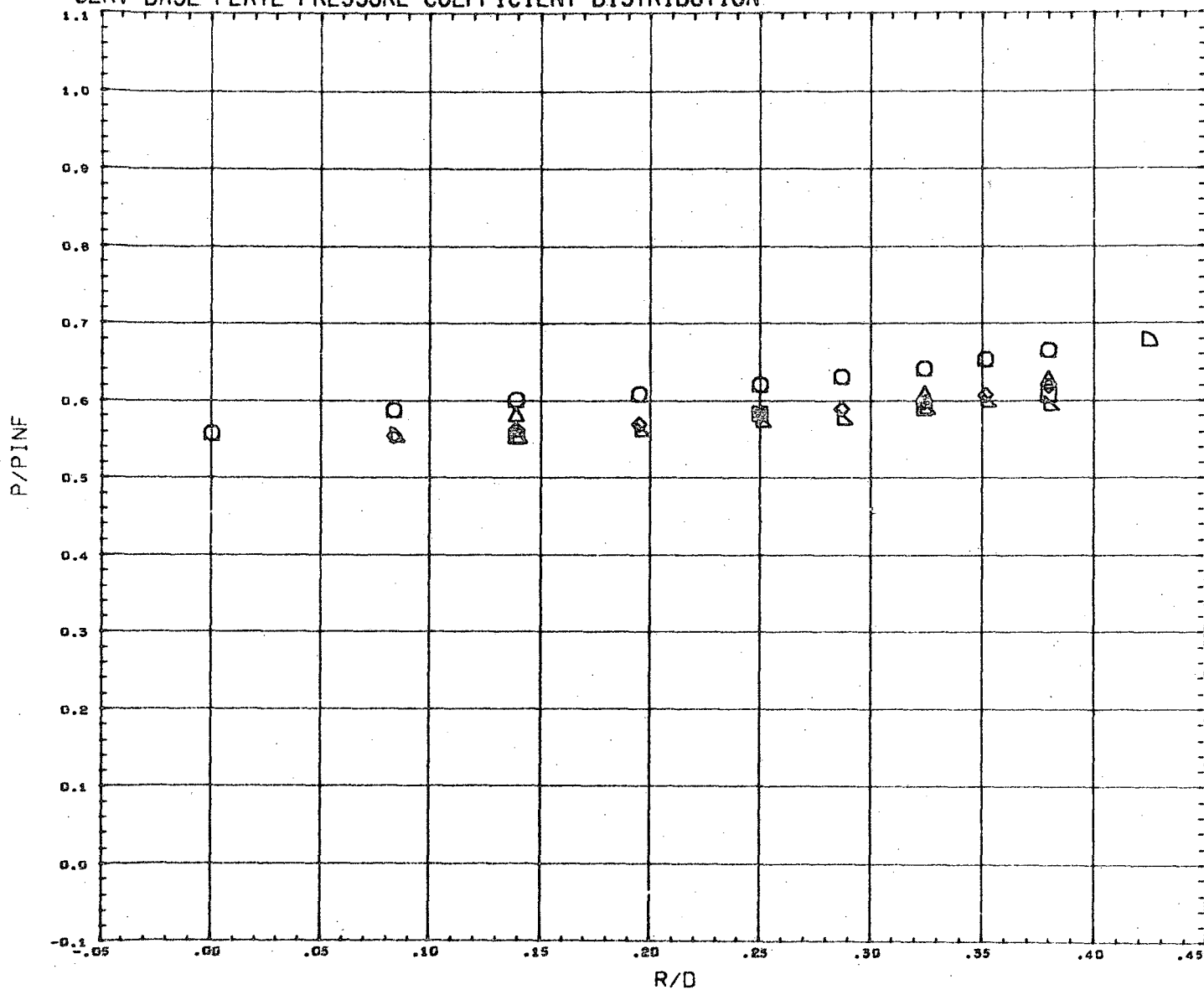
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

00000000.F660E CC00 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

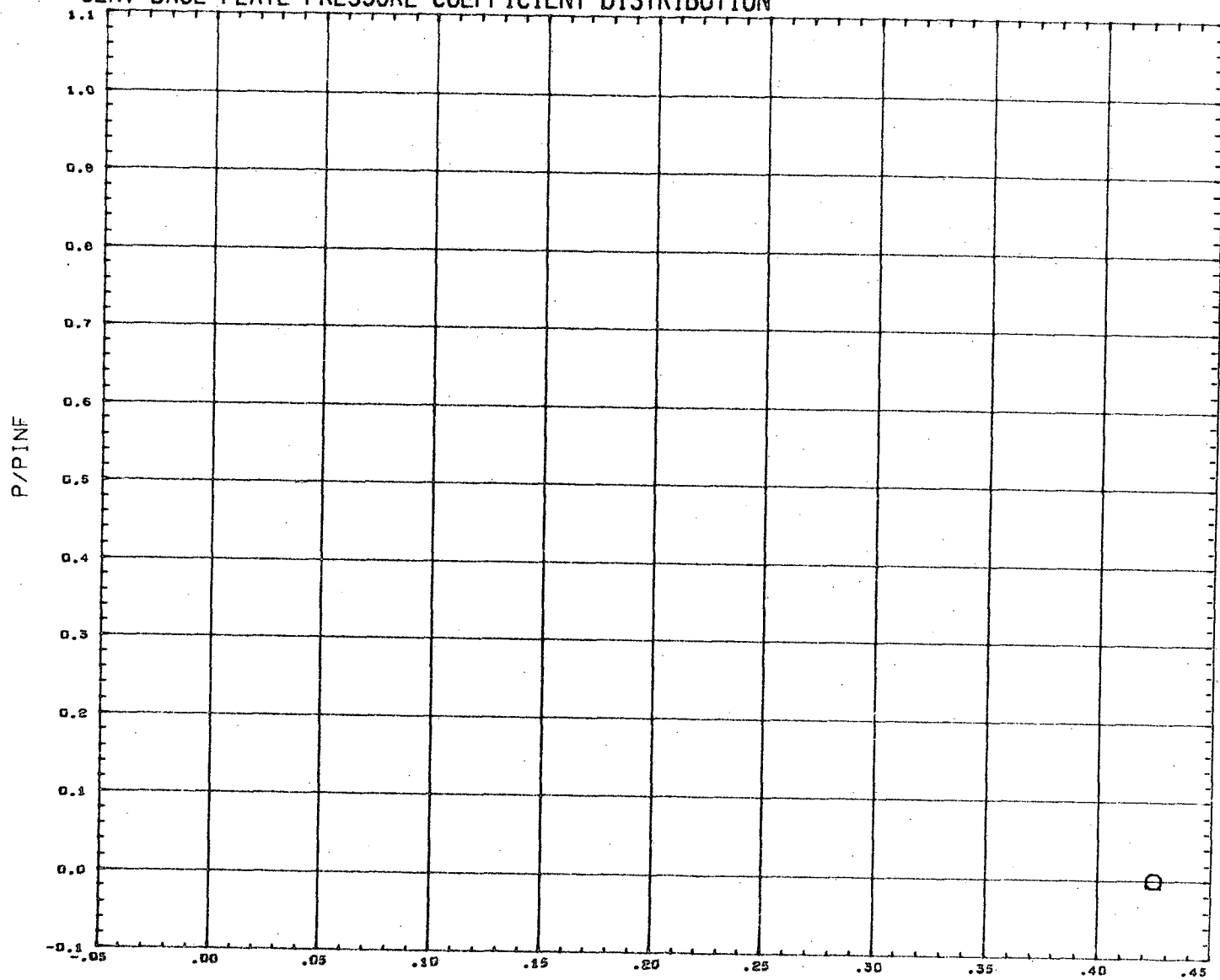


SYMBOL	THETA	PRATIC	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	ALPHA	0.004
○	5.620	812.557	0.902	LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
△	45.000			BREF	27.000	INCHES				
◇	90.000			XWRF	0.000	DIAMTR				
□	135.000			YWRF	0.000	DIAMTR				
▤	174.380			ZWRF	0.000	DIAMTR				
◻	269.000	88888888.8888	CCSD TH-AP-70-445							

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 812.557 0.902

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 AMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

007080000.F000E CCSD TW-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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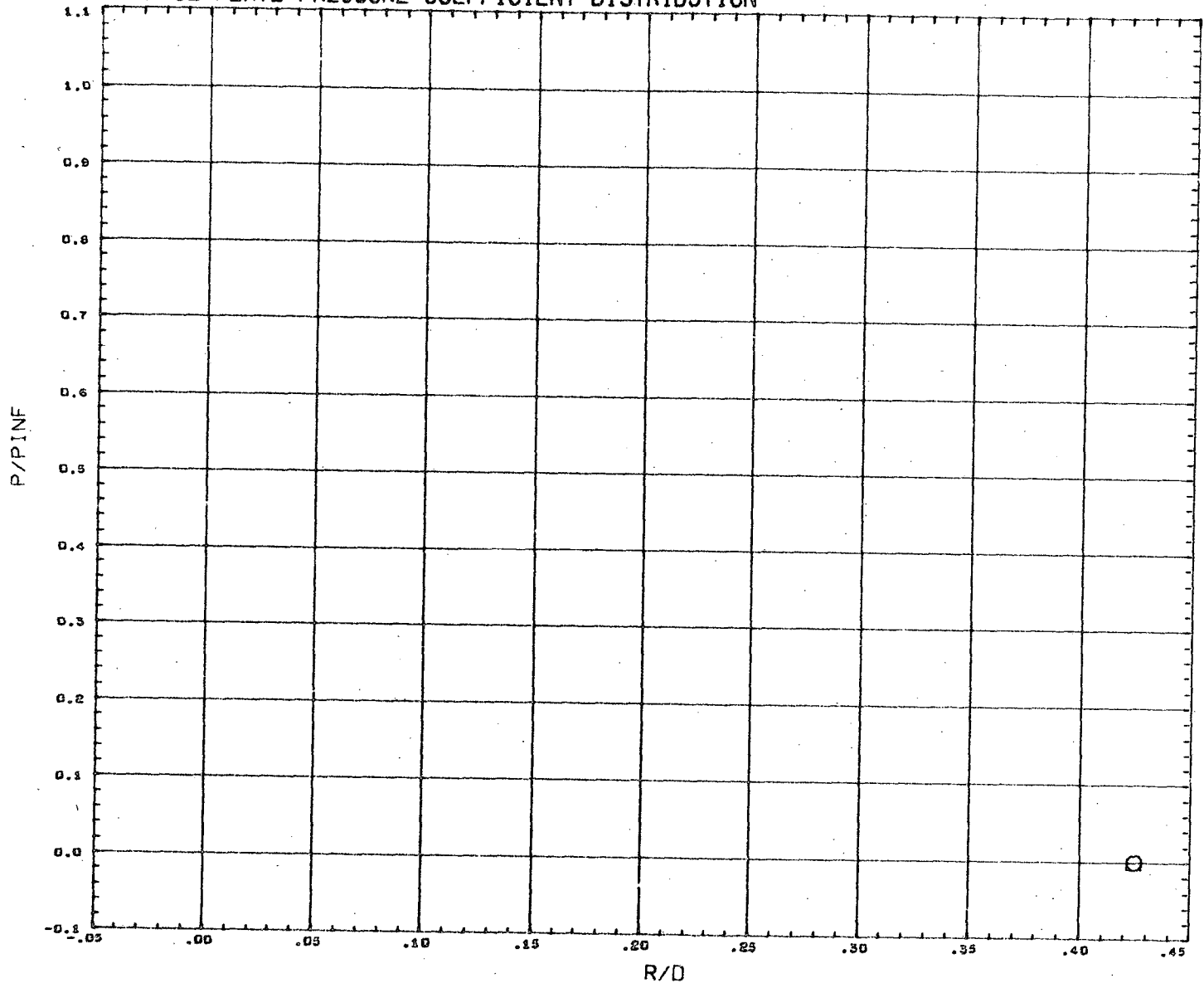
A graph showing the pressure coefficient distribution P/P_{∞} versus the normalized radial distance R/D for a flat plate. The y-axis ranges from -0.1 to 1.1 with major grid lines every 0.1 units. The x-axis ranges from -0.05 to 0.45 with major grid lines every 0.05 units. Data points are plotted for various R/D values, showing a constant pressure coefficient of approximately 0.38 for R/D between 0.00 and 0.20, and a constant pressure coefficient of approximately 0.42 for R/D between 0.25 and 0.40. The data points are represented by open circles, squares, diamonds, and triangles.

R/D	P/P_{∞}
0.00	0.38
0.08	0.38
0.14	0.38
0.20	0.38
0.25	0.38
0.28	0.38
0.32	0.38
0.35	0.38
0.38	0.38
0.40	0.38
0.08	0.40
0.14	0.40
0.20	0.40
0.25	0.40
0.28	0.40
0.32	0.40
0.35	0.40
0.38	0.40
0.40	0.40
0.08	0.42
0.14	0.42
0.20	0.42
0.25	0.42
0.28	0.42
0.32	0.42
0.35	0.42
0.38	0.42
0.40	0.42

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WFC	0.000

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
Q 309.000 395.993 1.100

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

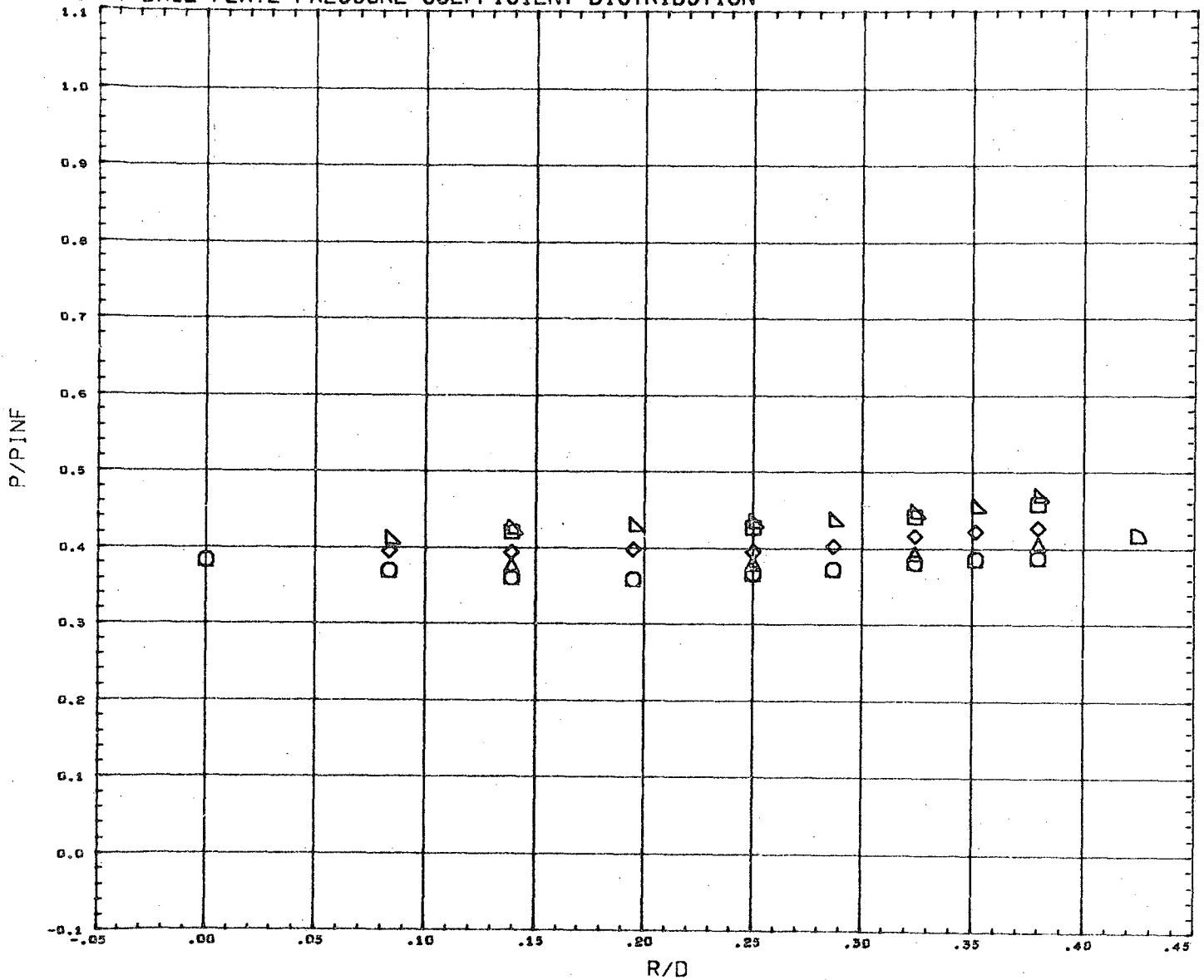
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WPC 0.000

B01GR0060.F000E CC80 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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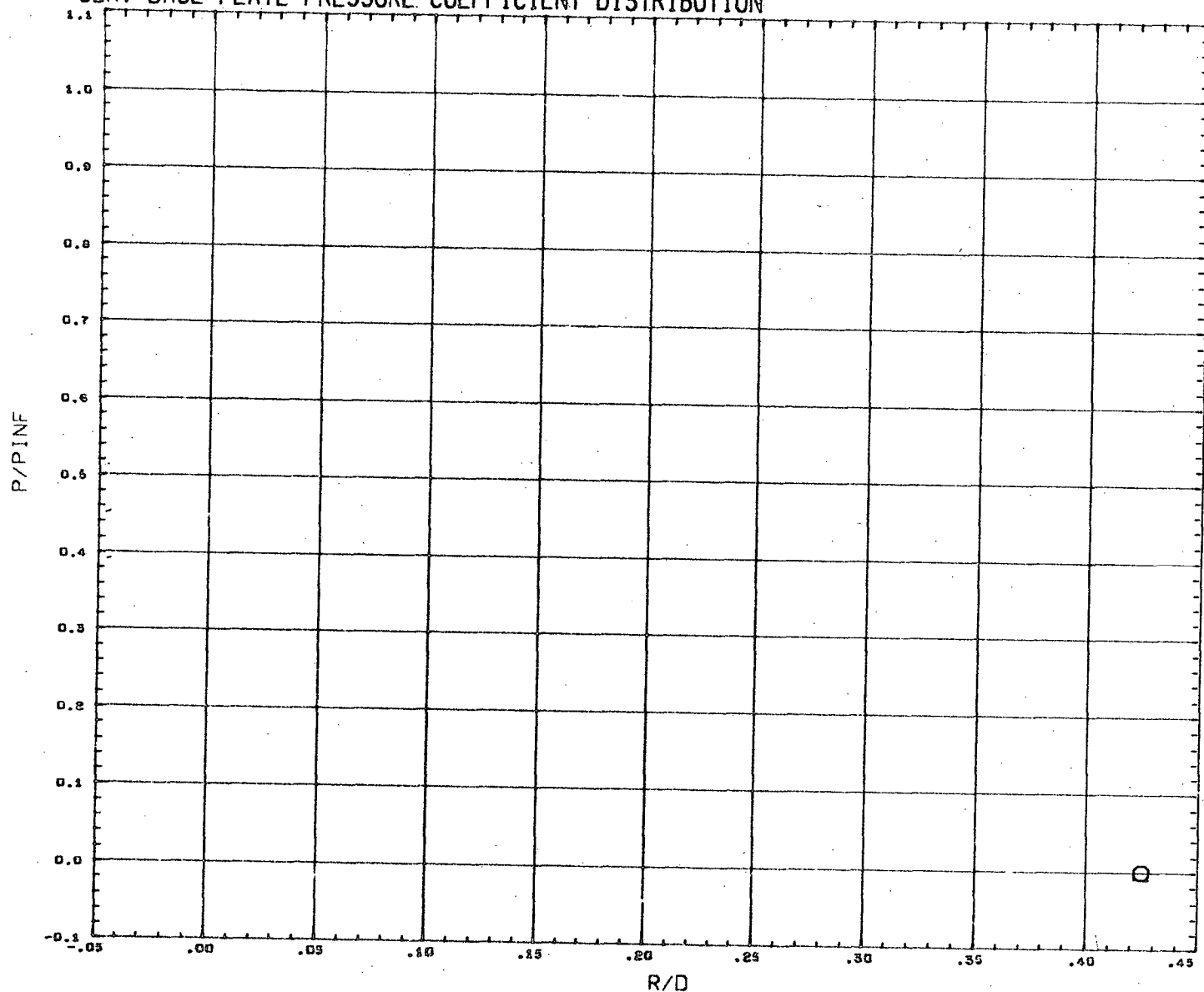
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES
○	5.620	491.380	1.101	LREF	27.000	INCHES	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES	FC	404.679 WS/WPC 0.000
◇	90.000			XMRP	0.000	DIAMTR		
□	135.000			YMRP	0.000	DIAMTR		
▽	174.380			ZMRP	0.000	DIAMTR		
▤	269.000							

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 399.000 491.380 1.101

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

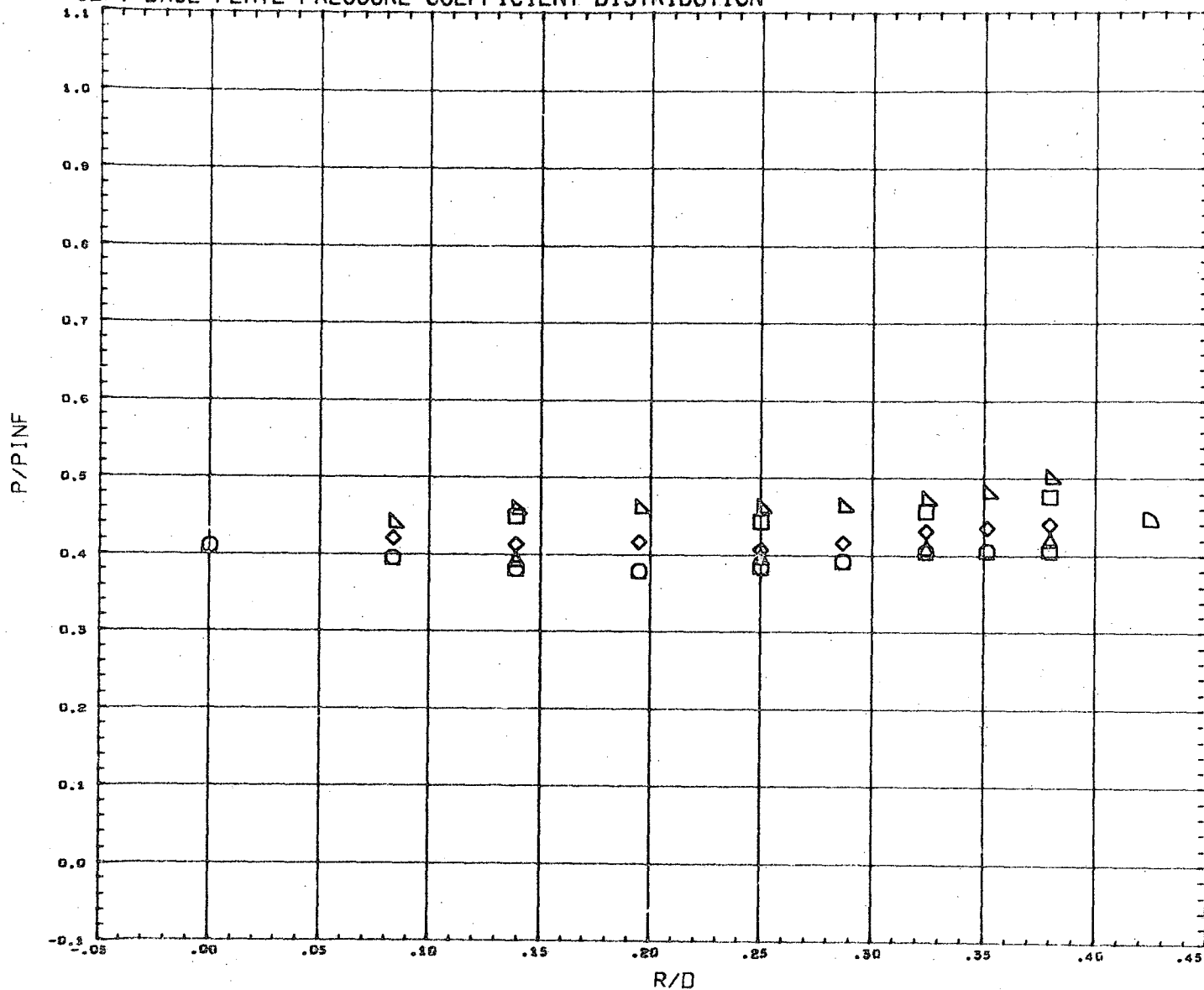
PARAMETRIC VALUES
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 PC 404.679 WS/WFC 0.000

DATA0000.F0000 CC00 TN-AP-70-648

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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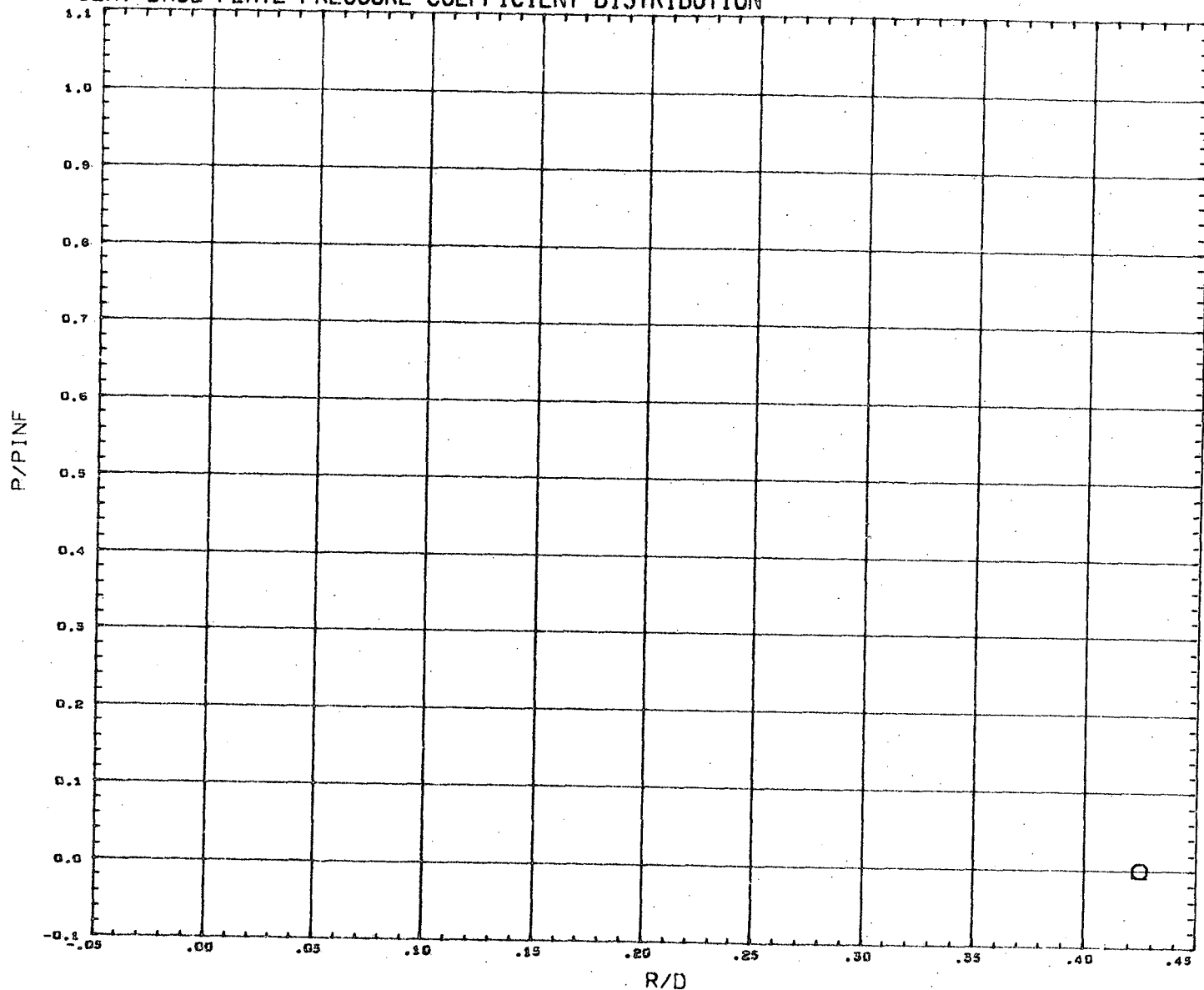
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	FC	PARAMETRIC VALUES
○	5.620	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	45.000											WS/WPC 0.000
◇	90.000											
◻	135.000											
◼	174.380											
◻	269.000											

03708806Z.F000E CC00 TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 599.127 1.089

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

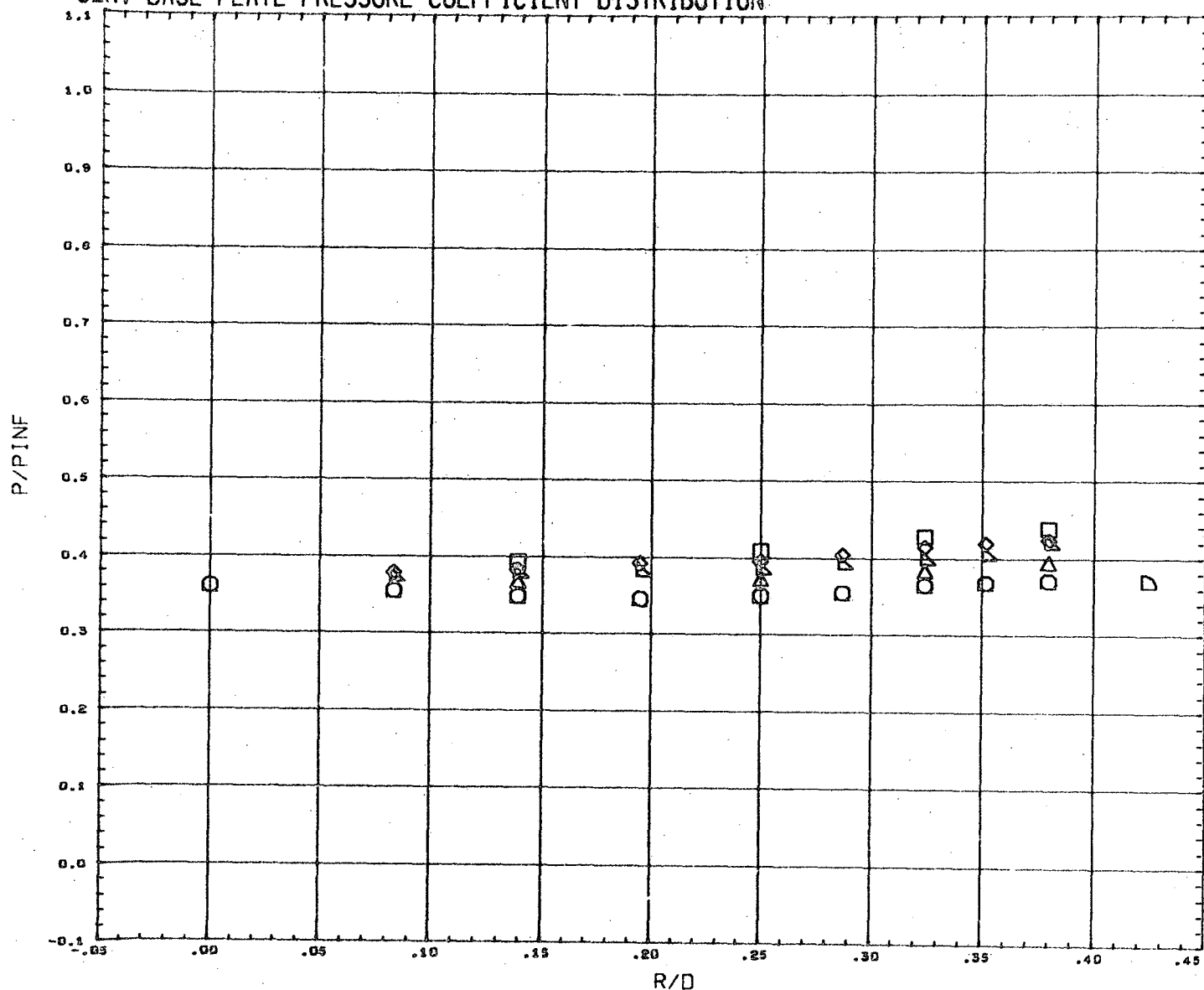
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

88888888.FE00E CC80 TN-AP-70-469

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



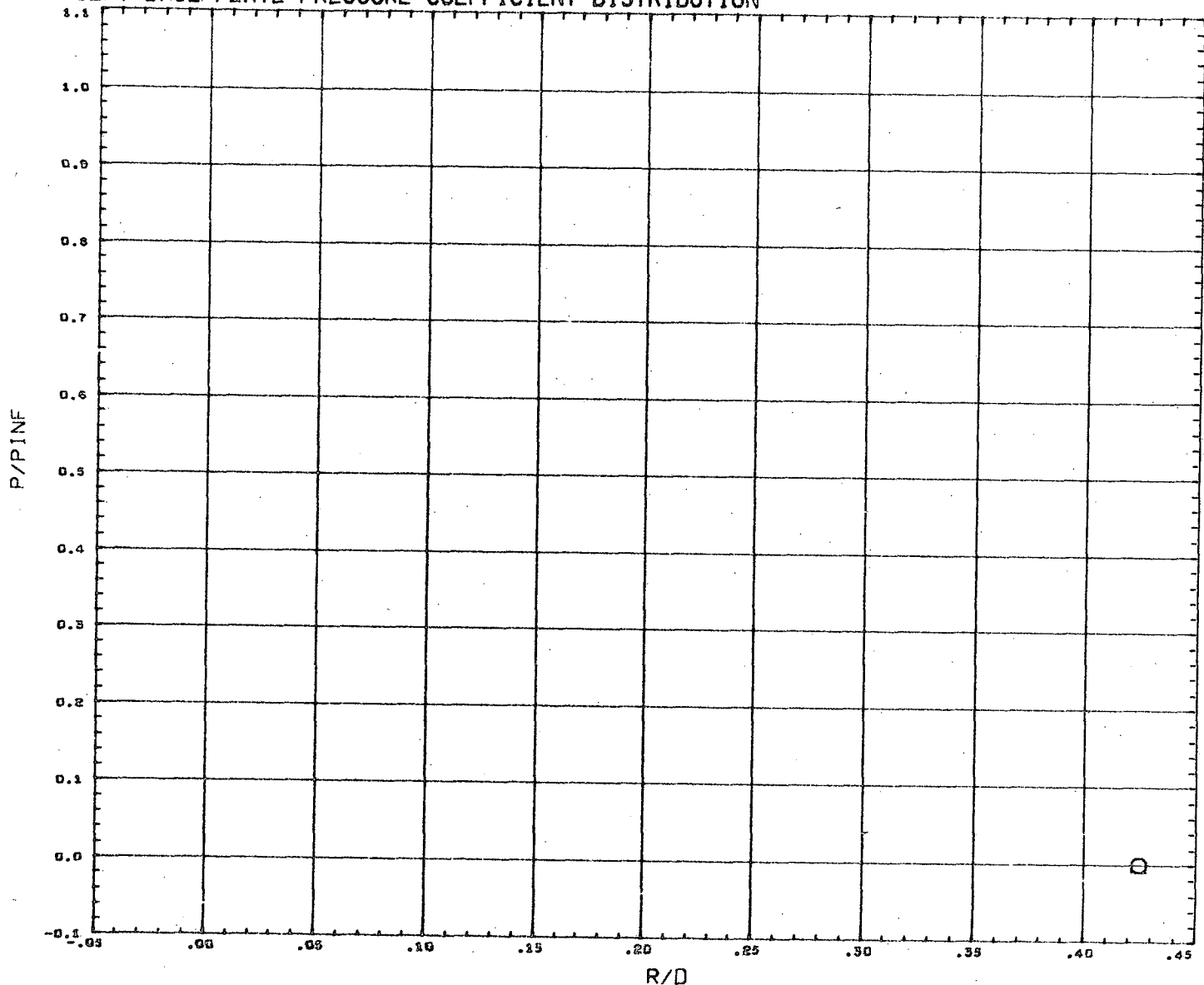
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	456.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◻	90.000			0.000	DIAHTR	DIAHTR	0.000	0.000	0.000	
△	135.000			0.000	DIAHTR	DIAHTR	0.000	0.000	0.000	
—	174.380			0.000	DIAHTR	DIAHTR	0.000	0.000	0.000	
□	269.000									

DATA BASE FILE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 406.123 1.254

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

00708006.F003E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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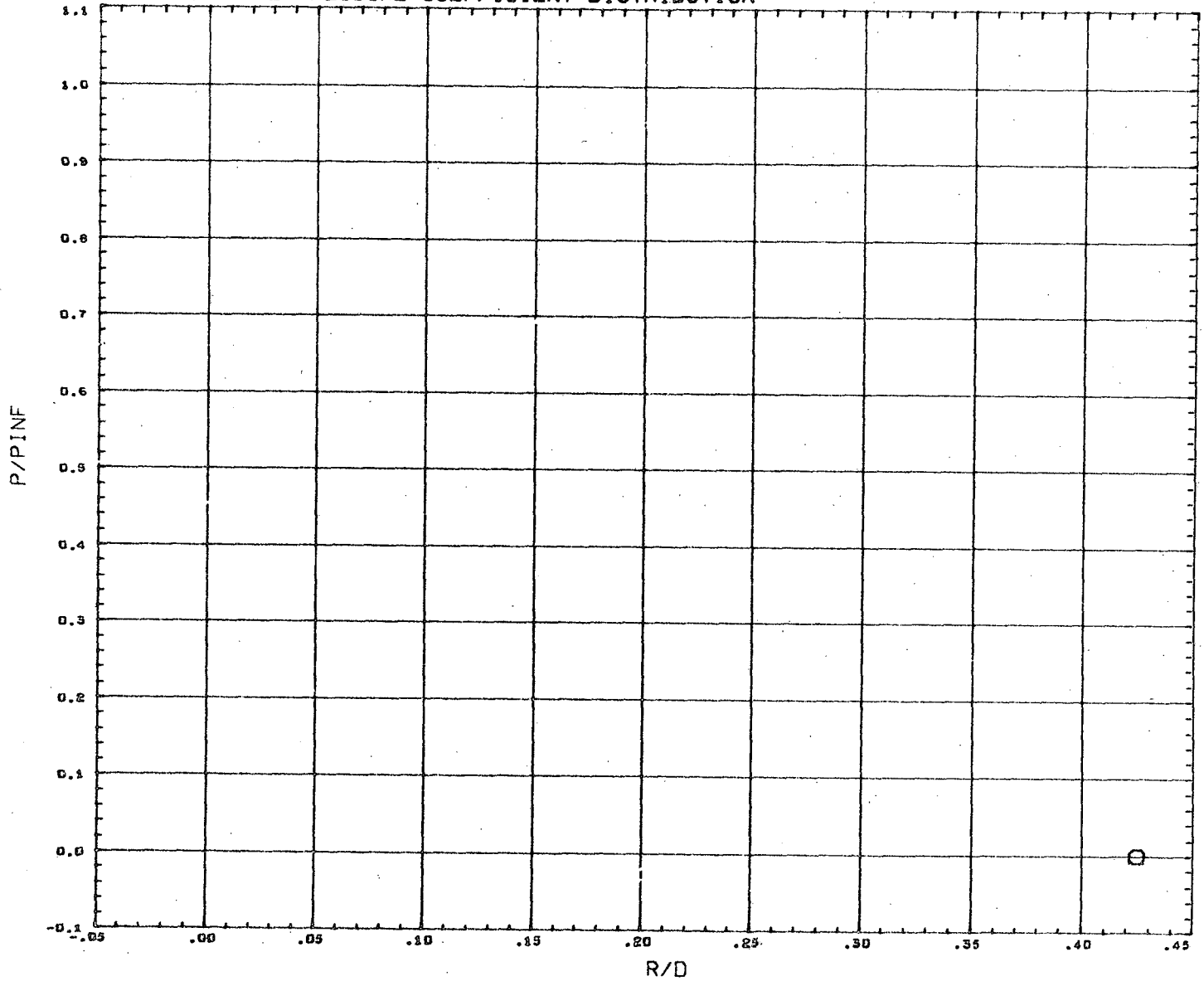
FLAT PLATE PRESSURE COEFFICIENT DISTRIBUTION

R/D	P/PINF
0.00	0.38
0.08	0.39
0.14	0.39
0.20	0.39
0.25	0.39
0.29	0.38
0.33	0.39
0.35	0.39
0.38	0.40
0.43	0.39

PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WFC	0.000

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 751.932 1.261

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

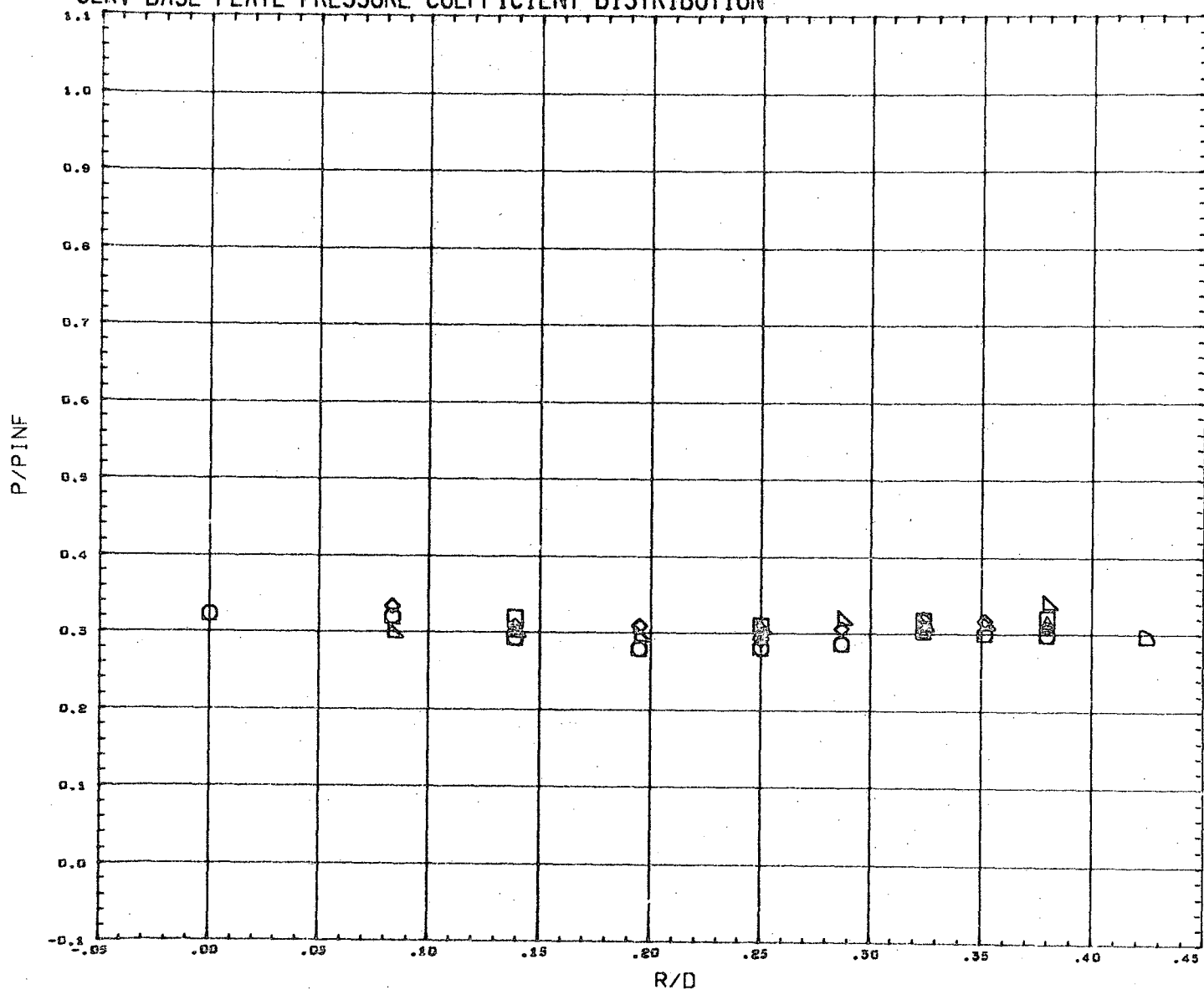
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

00000000.FE02E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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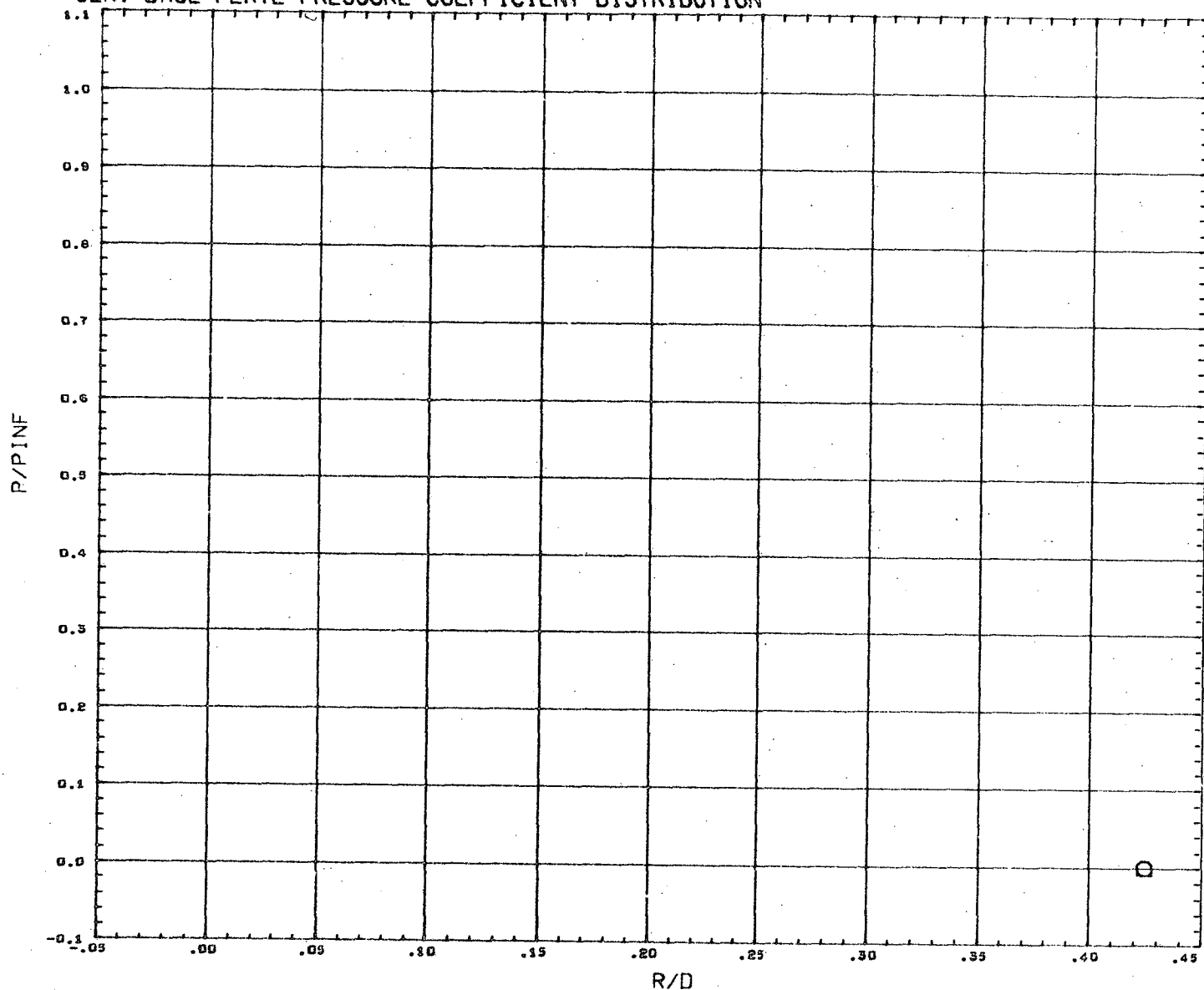
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
◇	5.620	831.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000	PC 404.679 WS/WFC 0.000
◇	90.000						DIAMTR	DIAMTR	DIAMTR	
◇	135.000									
◇	174.380									
◇	269.000									

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 831.960 1.248

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

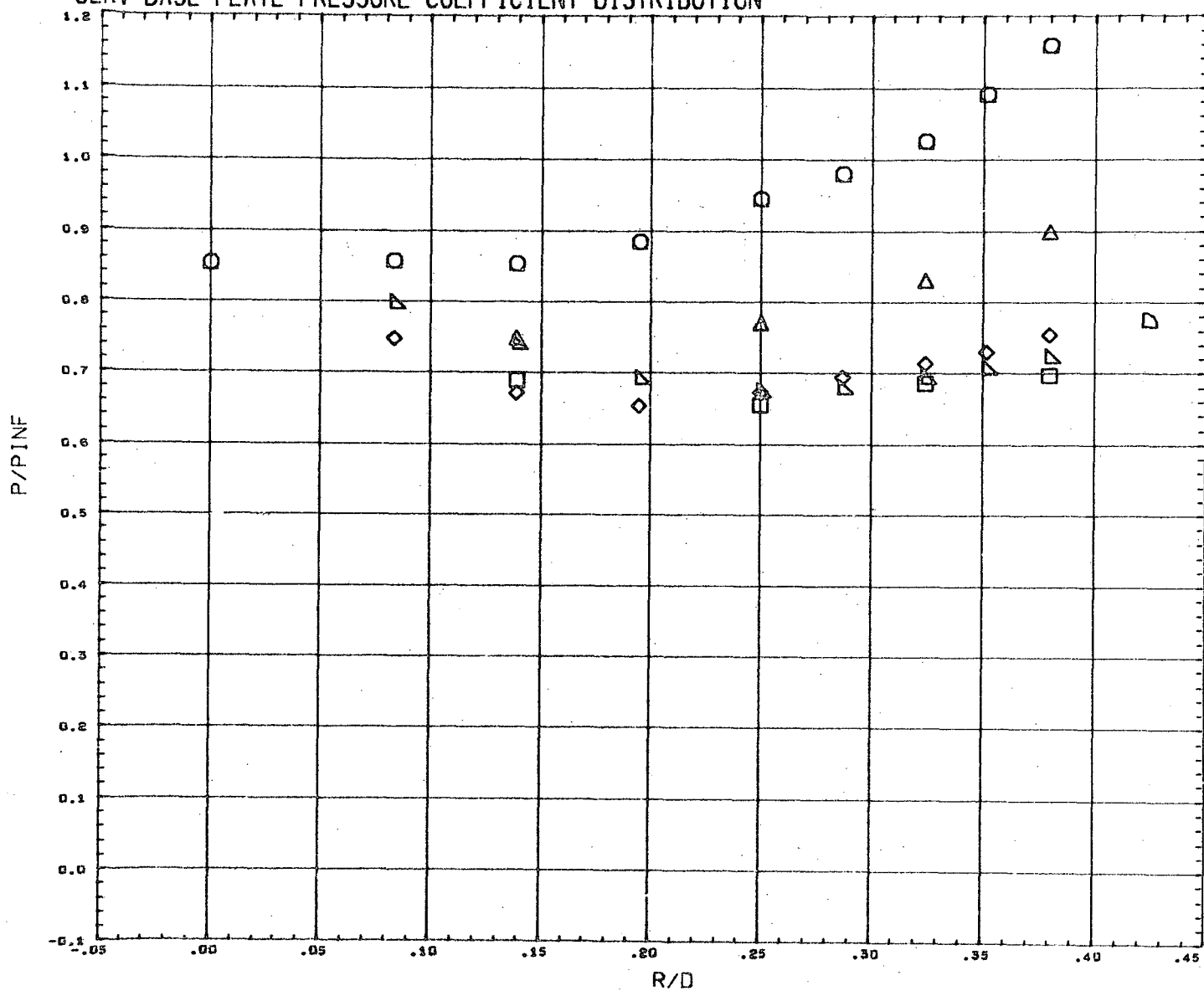
PARAMETRIC VALUES

DATA00000.FIG00 CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



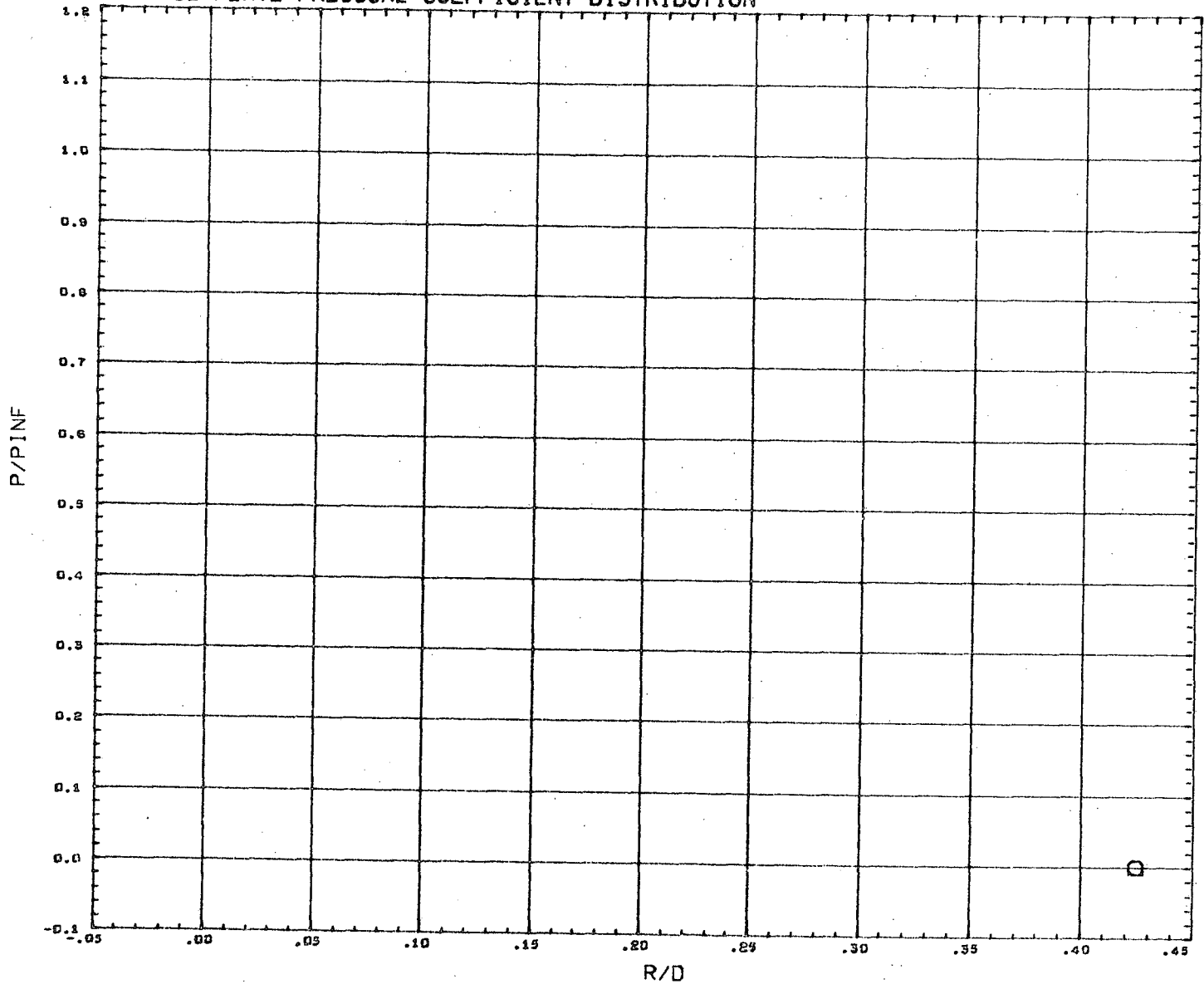
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○	5.625	202.083	0.599	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
◇	45.000			572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	90.000			572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
□	135.000			572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
▽	174.380			572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
◻	269.000			572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 202.083 0.599

SREF 572.557 50.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRI 0.000 DIAMTR
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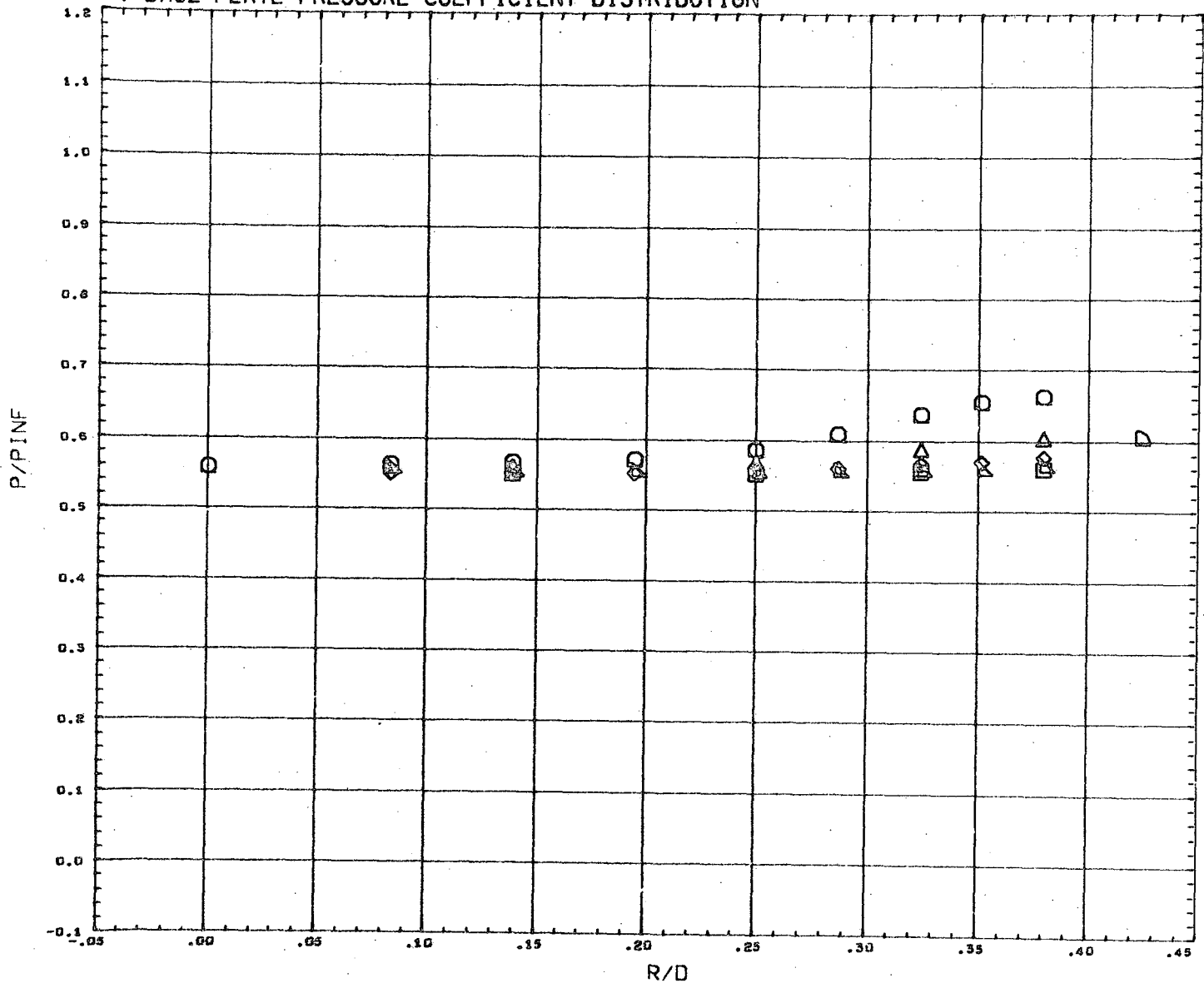
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

8875R008.F002E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

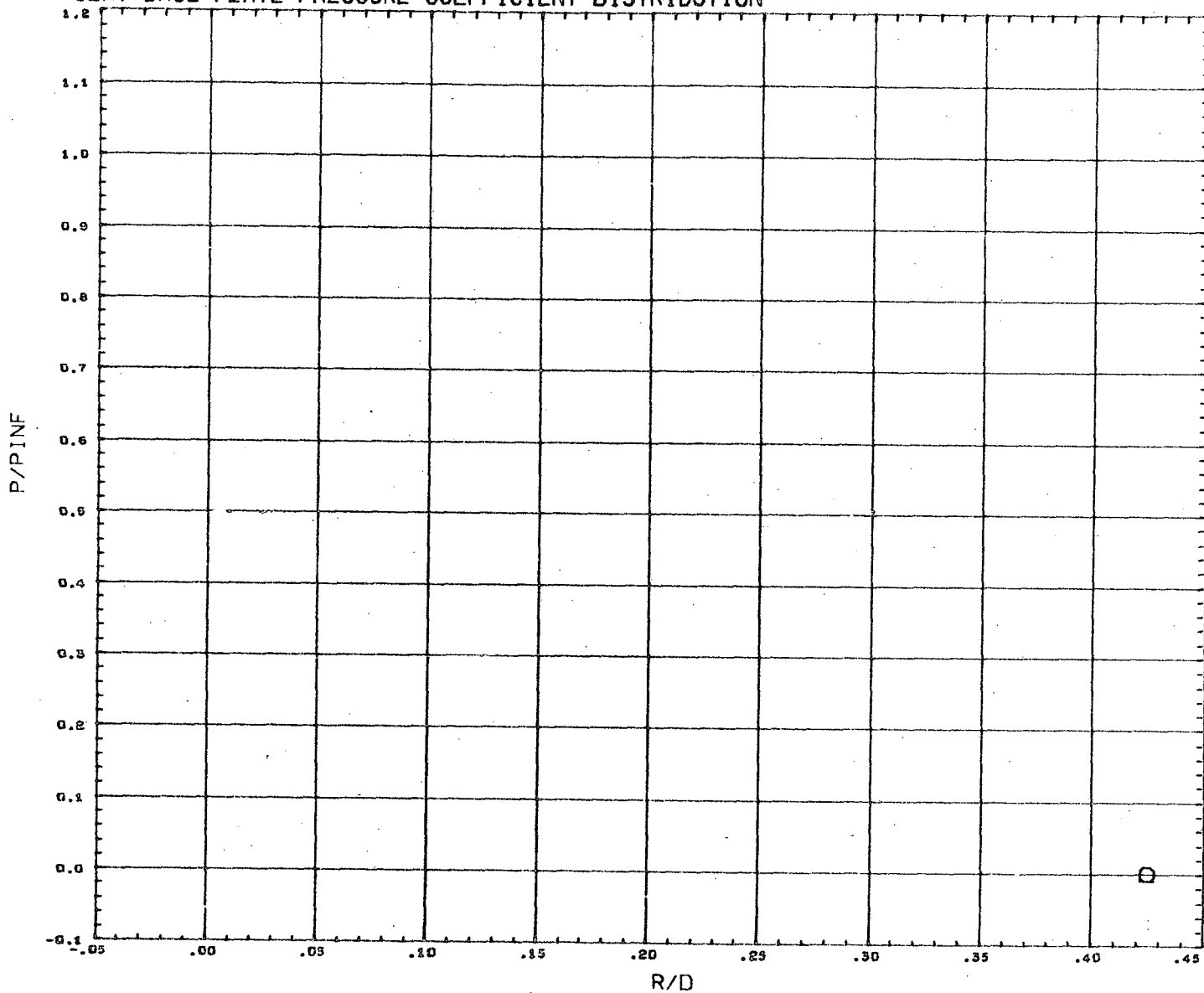
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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH					PARAMETRIC VALUES		
○	5.620	299.500	0.801	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	0.022
△	45.000			LREF	27.000	INCHES	PC	402.996	WS/WPC	0.000
◇	90.000			BREF	27.000	INCHES				
□	135.000			XMRP	0.000	DIAMTR				
▤	174.300			YMRP	0.000	DIAMTR				
◻	269.000			ZMRP	0.000	DIAMTR				
BENTARD06E.FIG0E CCSD TN-AP-70-445										

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 ○ 309.000 299.500 0.801

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

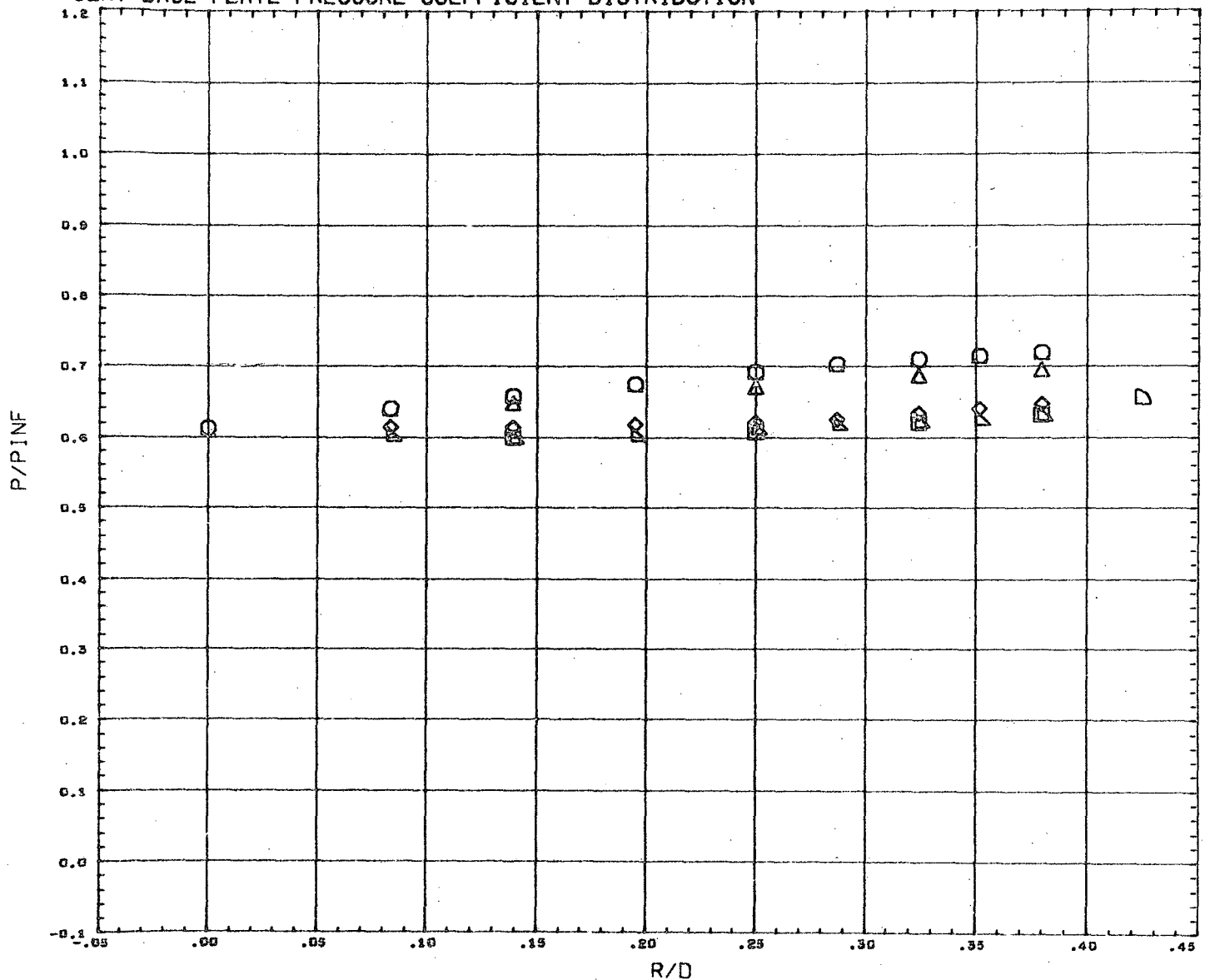
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

00000000.F0000 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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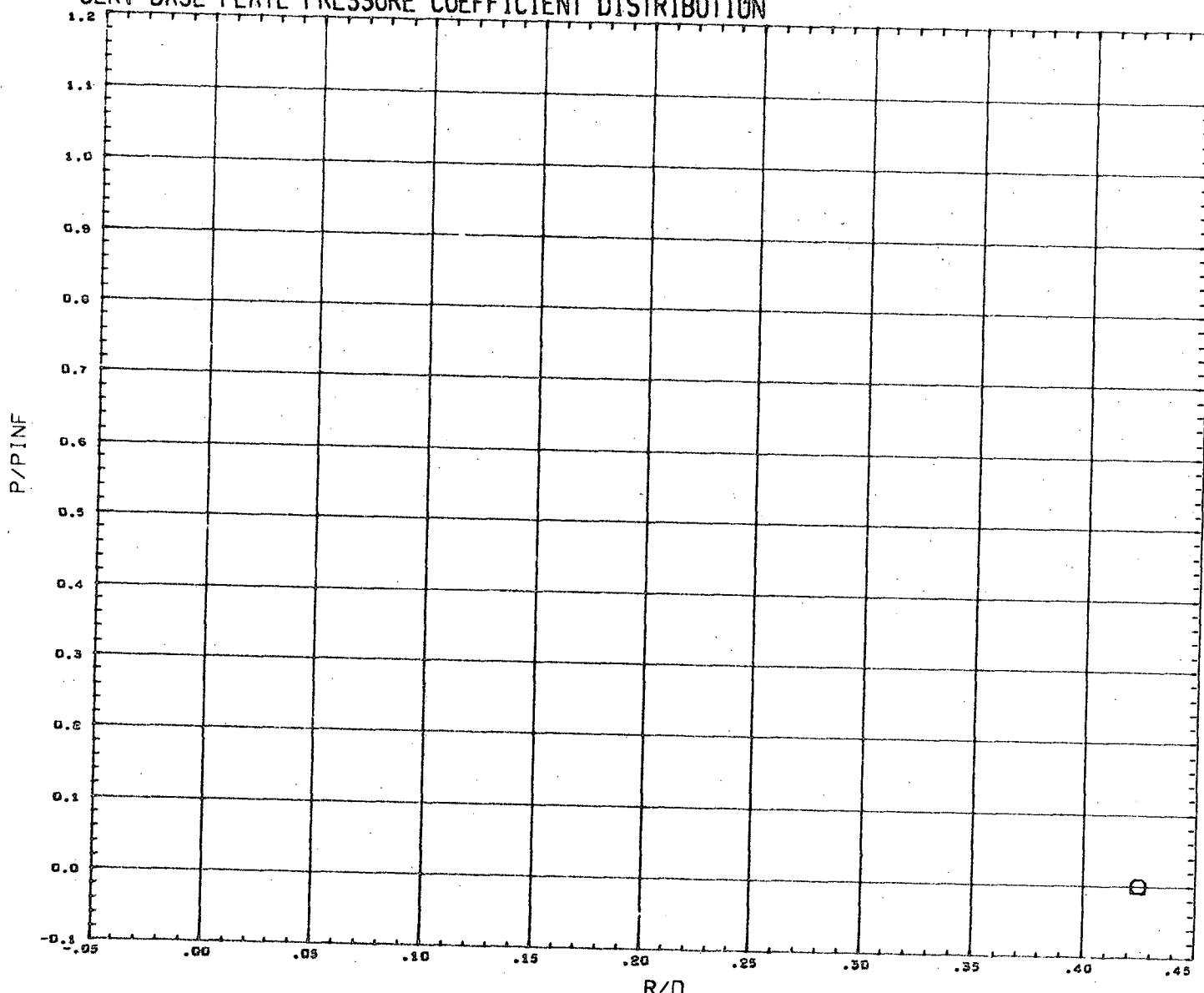
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
◇	45.000				INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	PC 402.996 WS/WFC 0.000
◊	90.000									
◻	135.000									
◡	174.380									
△	269.000									

DATA BASE FILE CCSD TM-AP-70-448

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 309.000 398.487 0.899

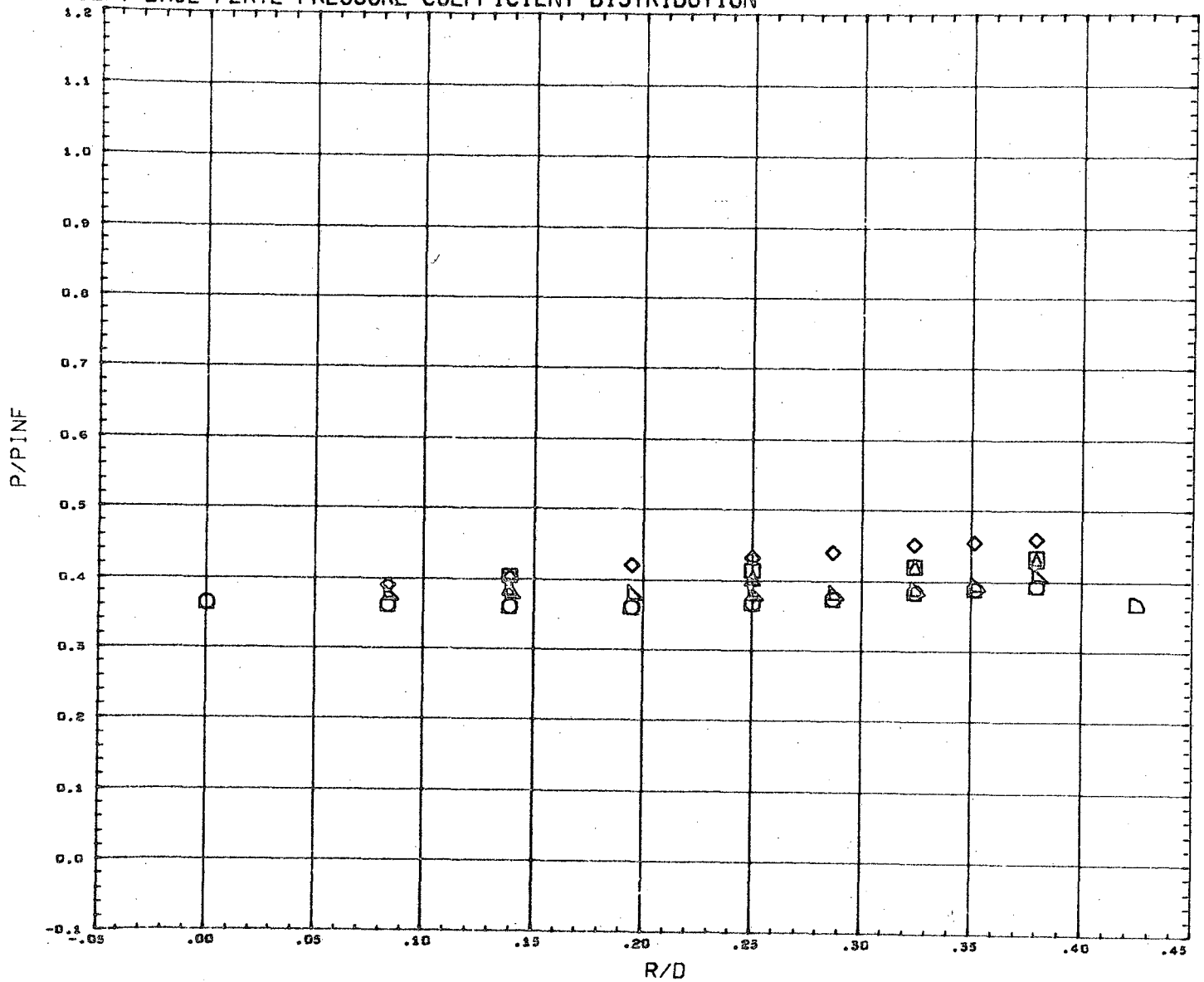
SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 8.022
PC 402.996 WS/WPC 0.000

0375R505G.F013E CCSD TN-AP-7D-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



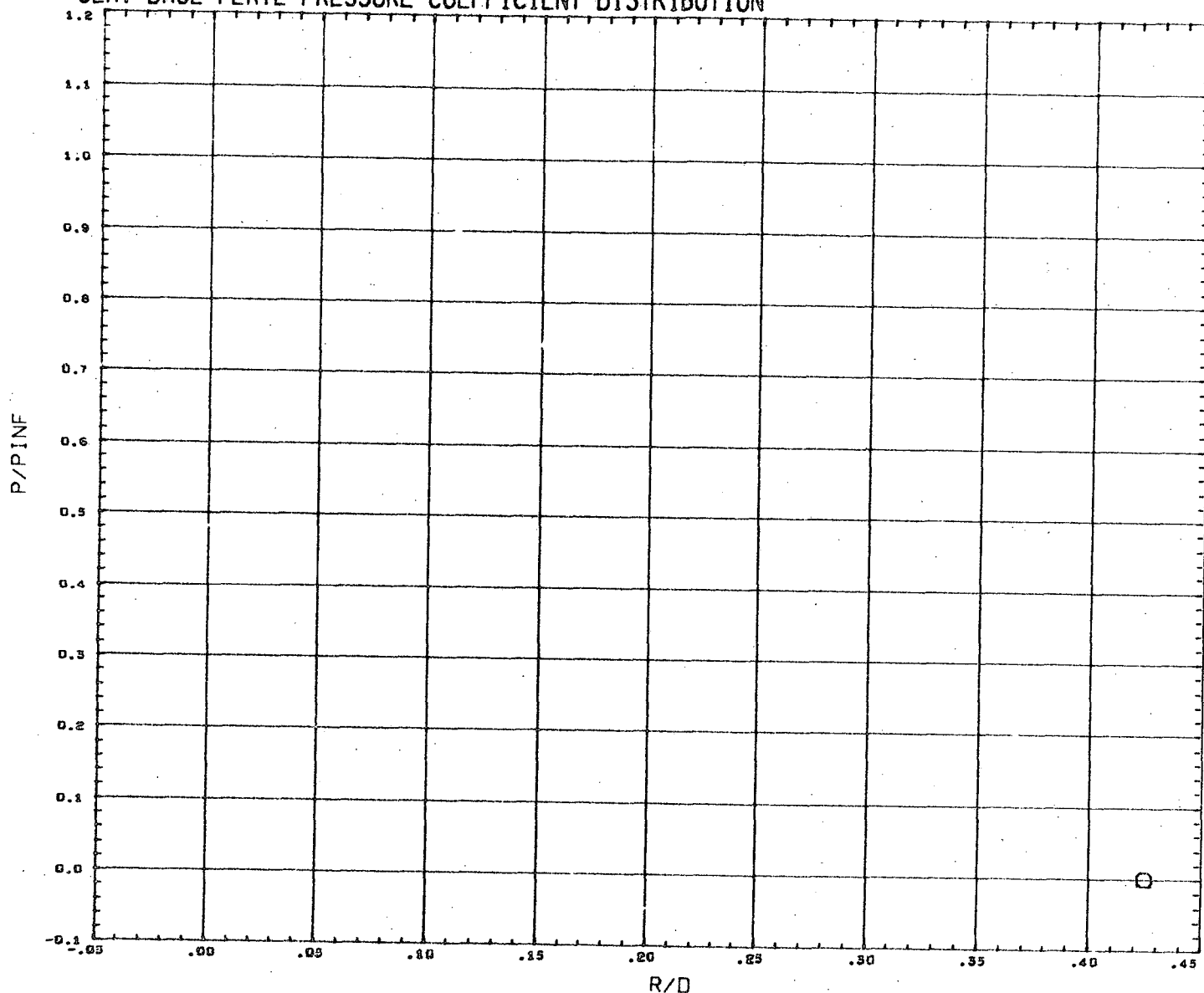
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○	5.620	402.407	1.100	572.557	27.000	27.000	0.000	0.000	0.000	27.000	INCHES	0.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000
△	45.000																		
◇	90.000																		
□	135.000																		
▽	174.380																		
◊	269.000																		

087BR0060.FE00E CC90 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL Q THETA 359.000 PRATIO 402.457 MACH 1.100

SREF 572.557 SQ. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

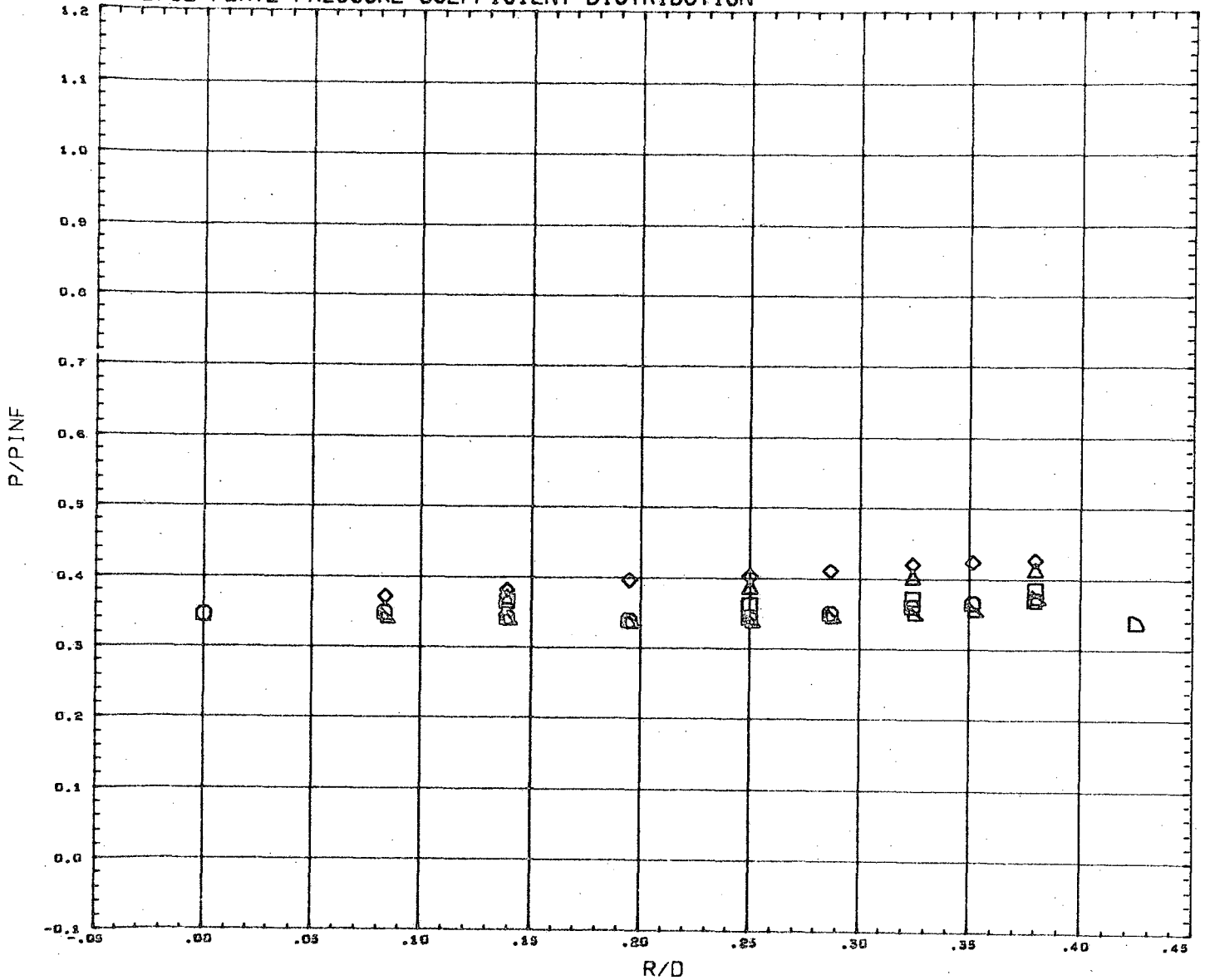
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 8.022
PC 402.996 WS/WPC 0.000

BB70RBDGE.FELGE CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



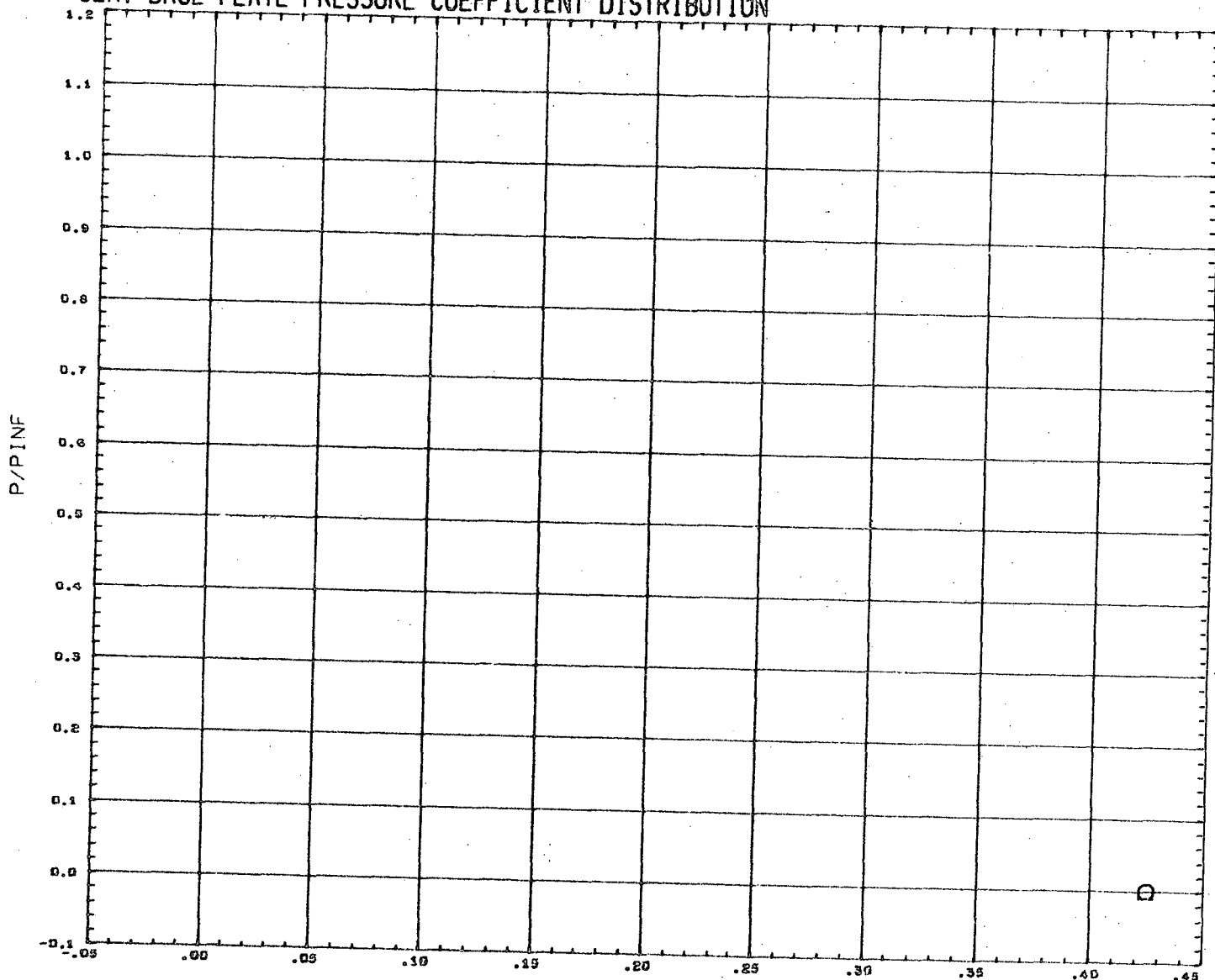
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○	5.620	400.737	1.253	572.557	50. IN.	27.000	INCHES	0.000	DIAMTR	E/DOOR 0.000 ALPHA 8.022
◇	45.000			27.000	INCHES	0.000	DIAMTR	0.000	DIAMTR	FC 402.996 WS/WFC 0.000
△	90.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	
□	135.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	
▽	174.300			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	
◇	269.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	

DISORDERED FLOW CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
□ 369.000 406.737 1.253

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

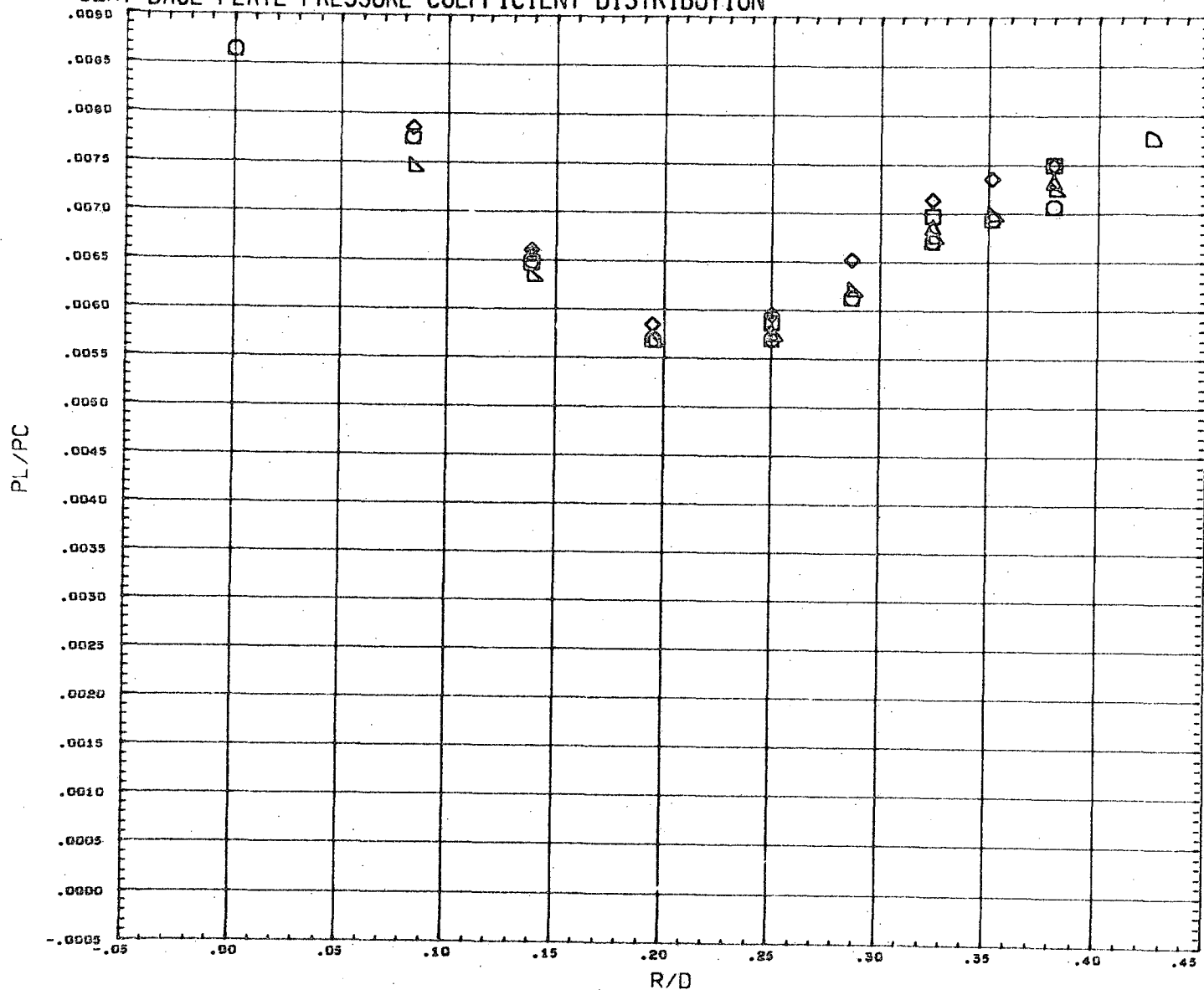
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 8.022
PC 402.996 WS/WPC 0.000

00000000.FE00E CC80 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (BT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

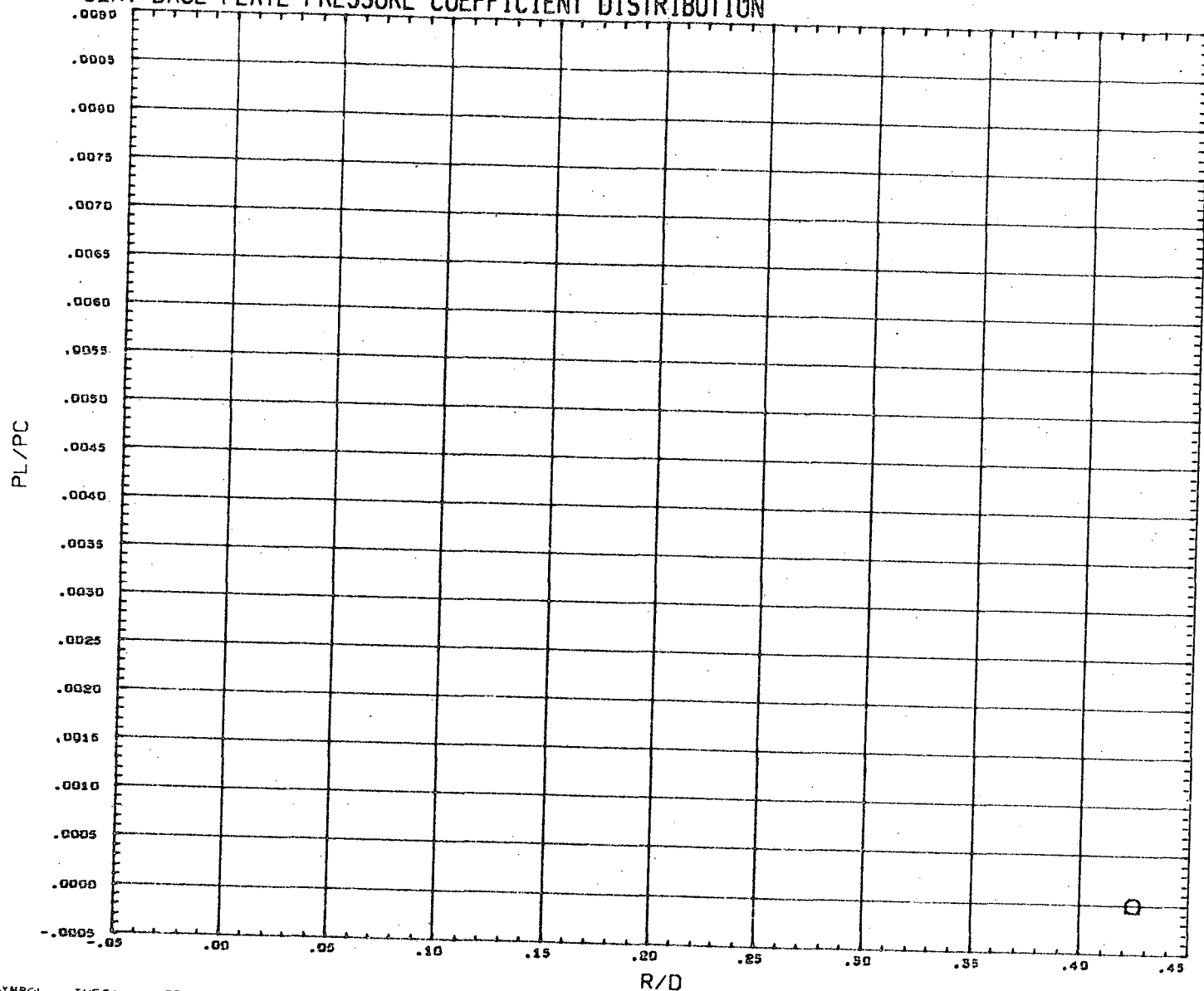


SYMBOL	THETA	FRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES
○	5.620	125.000	0.088	LREF	27.000	INCHES	PC	0.000 ALPHA 0.004
◻	45.000			BREF	27.000	INCHES		404.679 WS/WFC 0.000
◊	90.000			XMRP	0.000	DIAMTR		
◻	135.000			YMRP	0.000	DIAMTR		
◻	174.380			ZMRP	0.000	DIAMTR		
◻	269.000							

DIFFERENTIAL PRESSURE COEFFICIENT DISTRIBUTION CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \bigcirc THETA 309.000 PRATIO 125.800 MACH 0.086

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 CIAMTR
YMRP 0.000 CIAMTR
ZMRP 0.000 CIAMTR

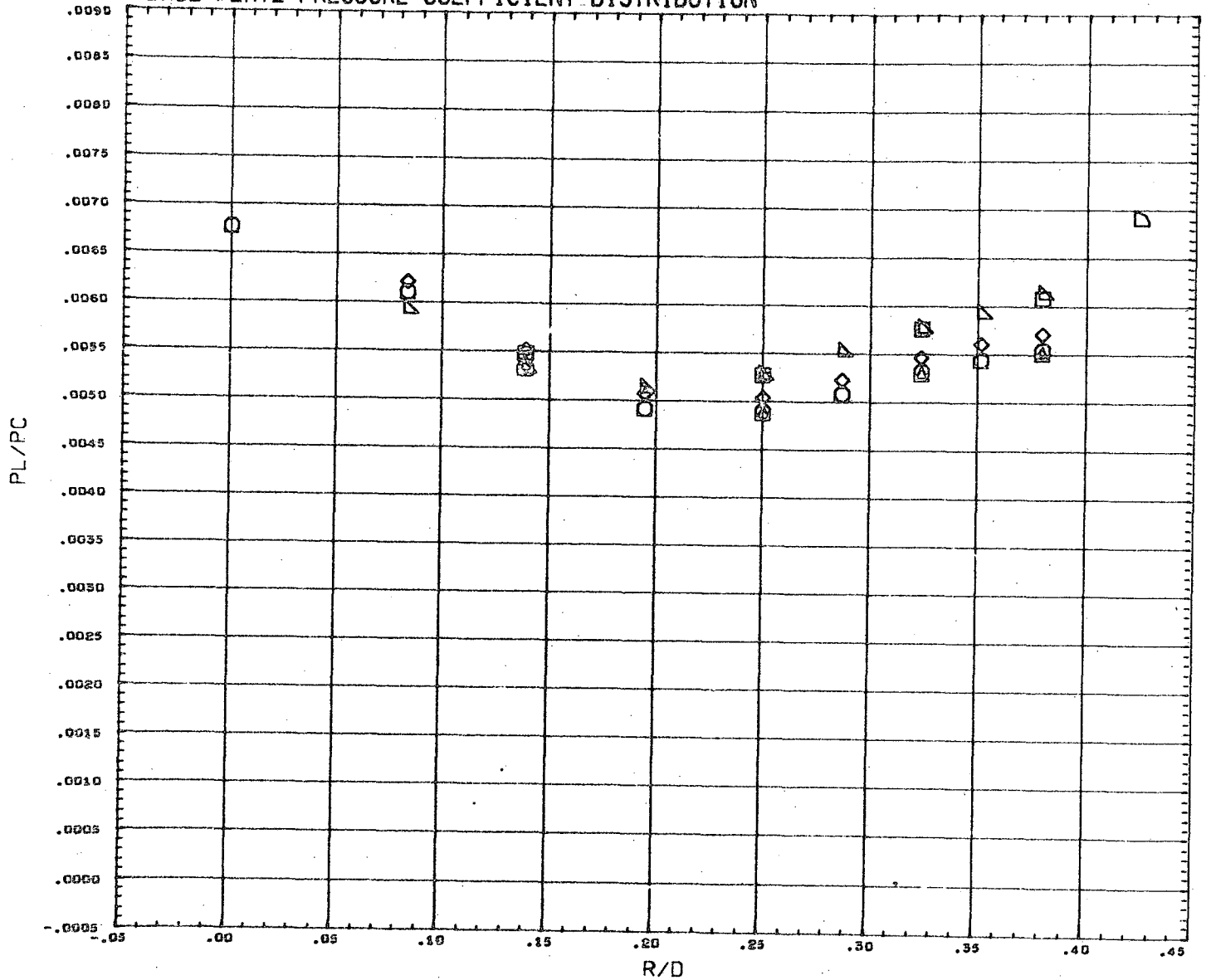
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WPC 0.000

DATA0000.FILDE CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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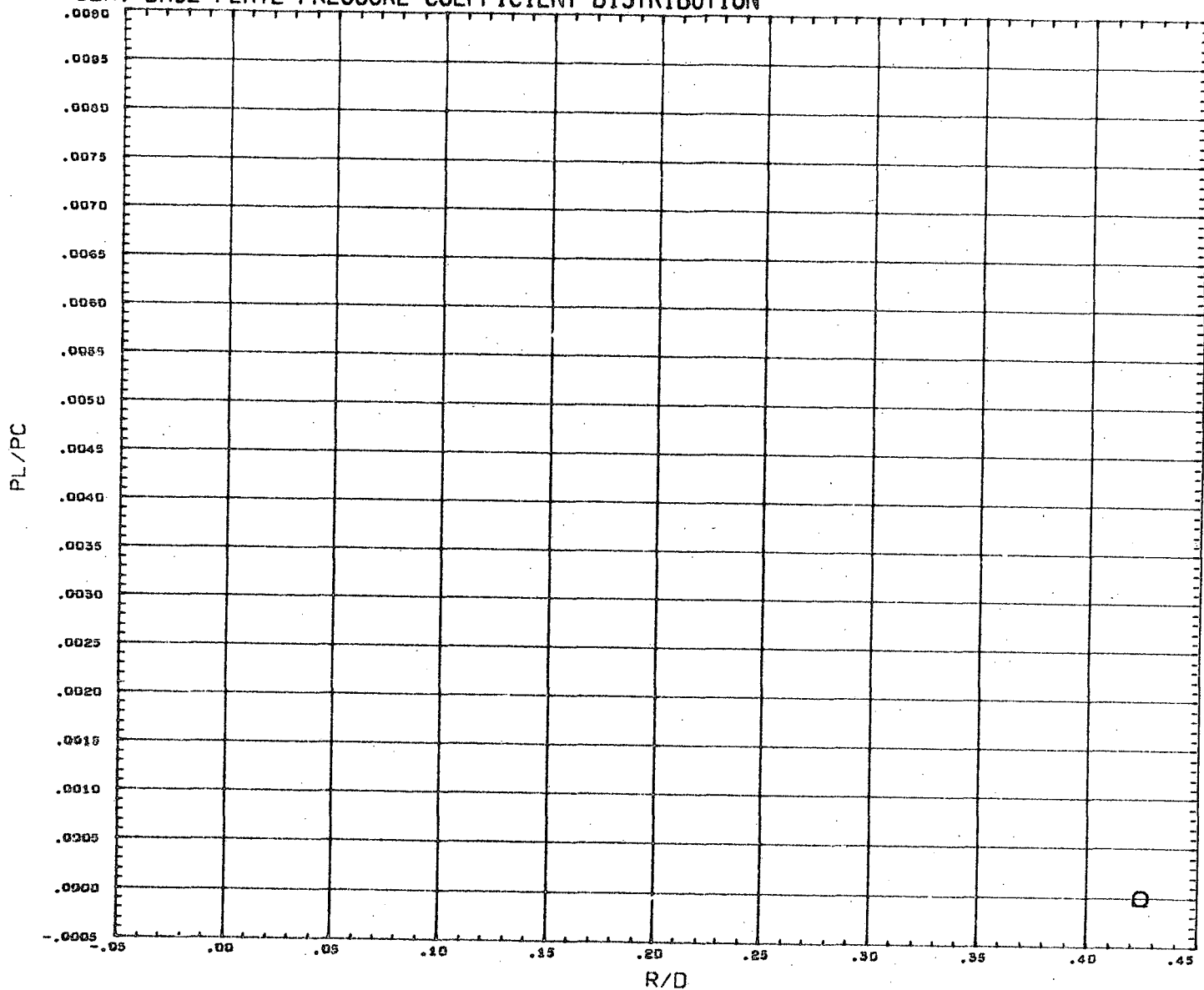
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	151.683	0.099	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	45.000			27.000	INCHES	INCHES				PC 404.679 WS/WFC 0.000
□	90.000									
△	135.000									
▽	174.380									
◇	269.000									

8870R006E.F008E CCOD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 151.083 0.099

SREF 572.557 SR.IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

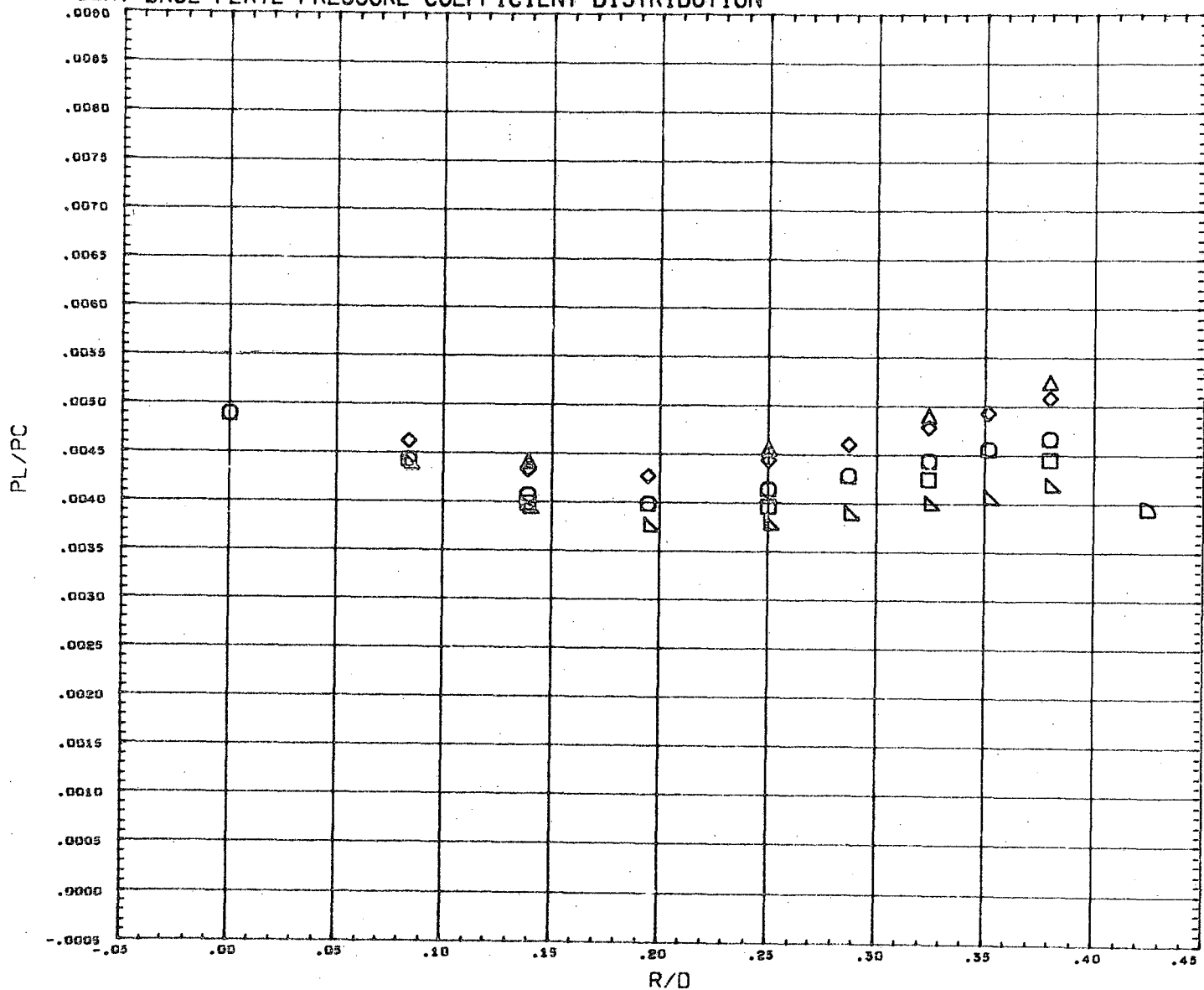
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

0078R0000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

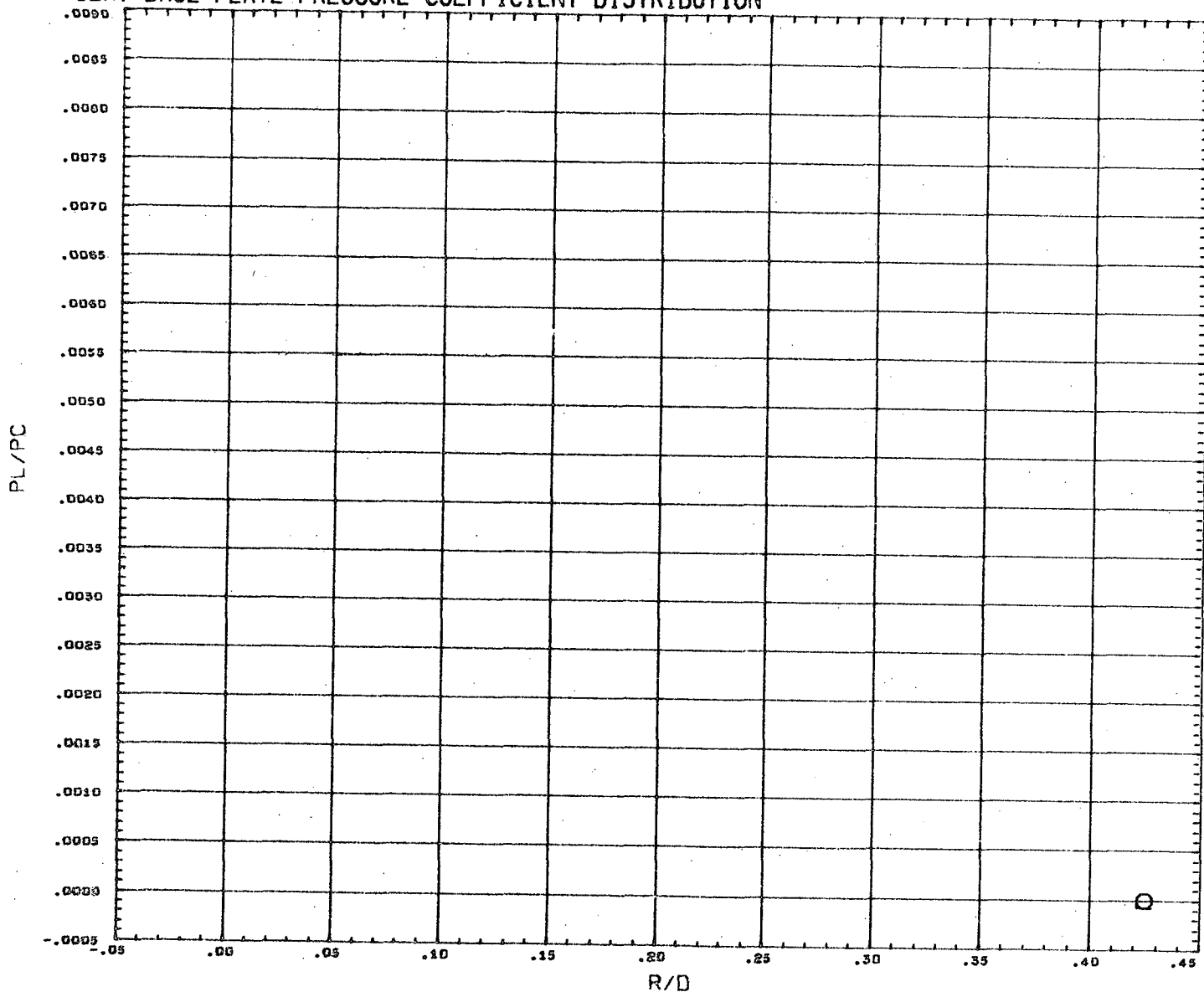


SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	5.620	200.173	0.085	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	90.000			XMRP	0.000	DIAMTR			
□	135.000			YMRP	0.000	DIAMTR			
▽	174.300			ZMRP	0.000	DIAMTR			
+	269.000								

DATA SOURCE: FLOW CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
Q 309.000 200.173 0.086

SREF 572.557 58.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

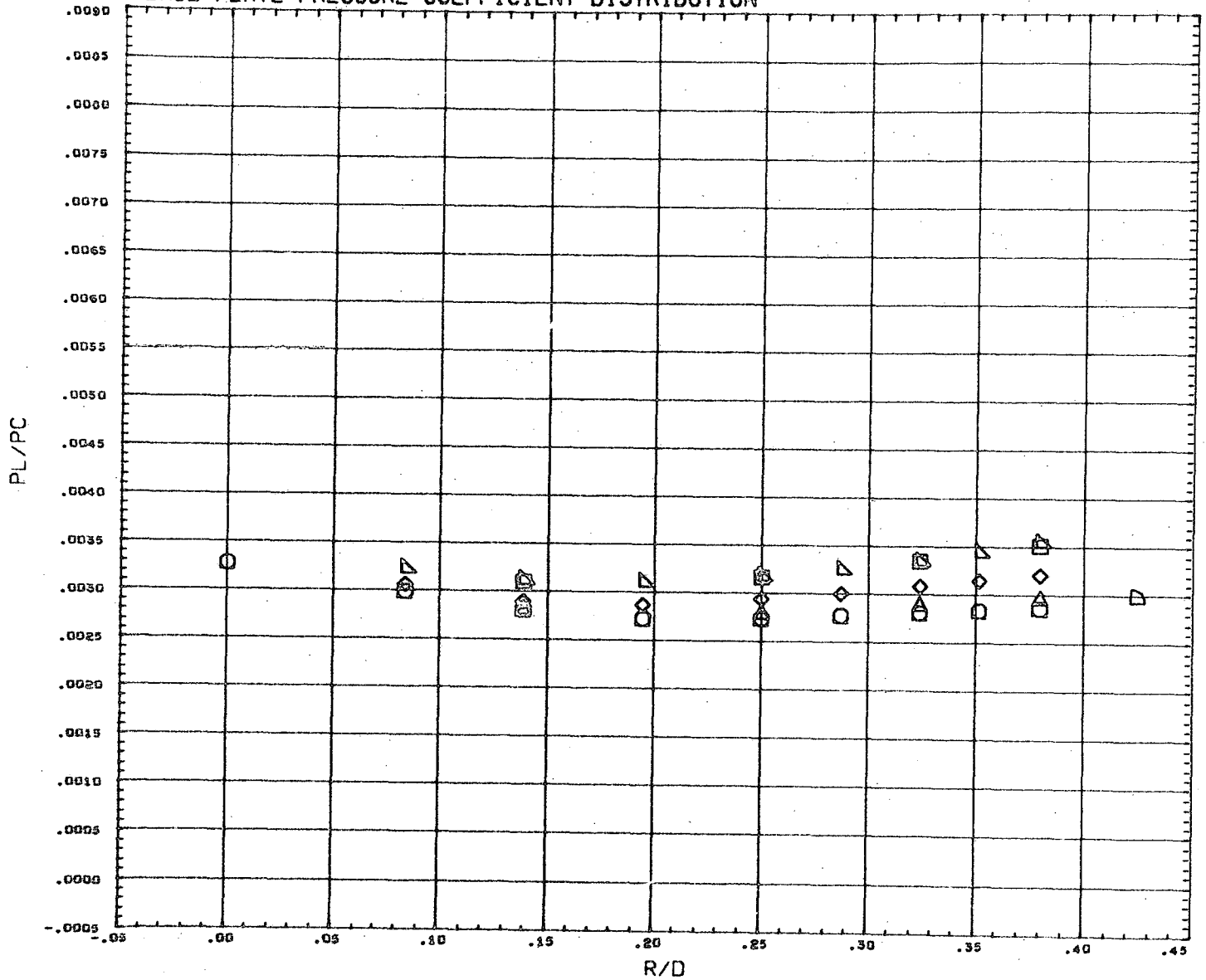
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

BB40R0066.FE02E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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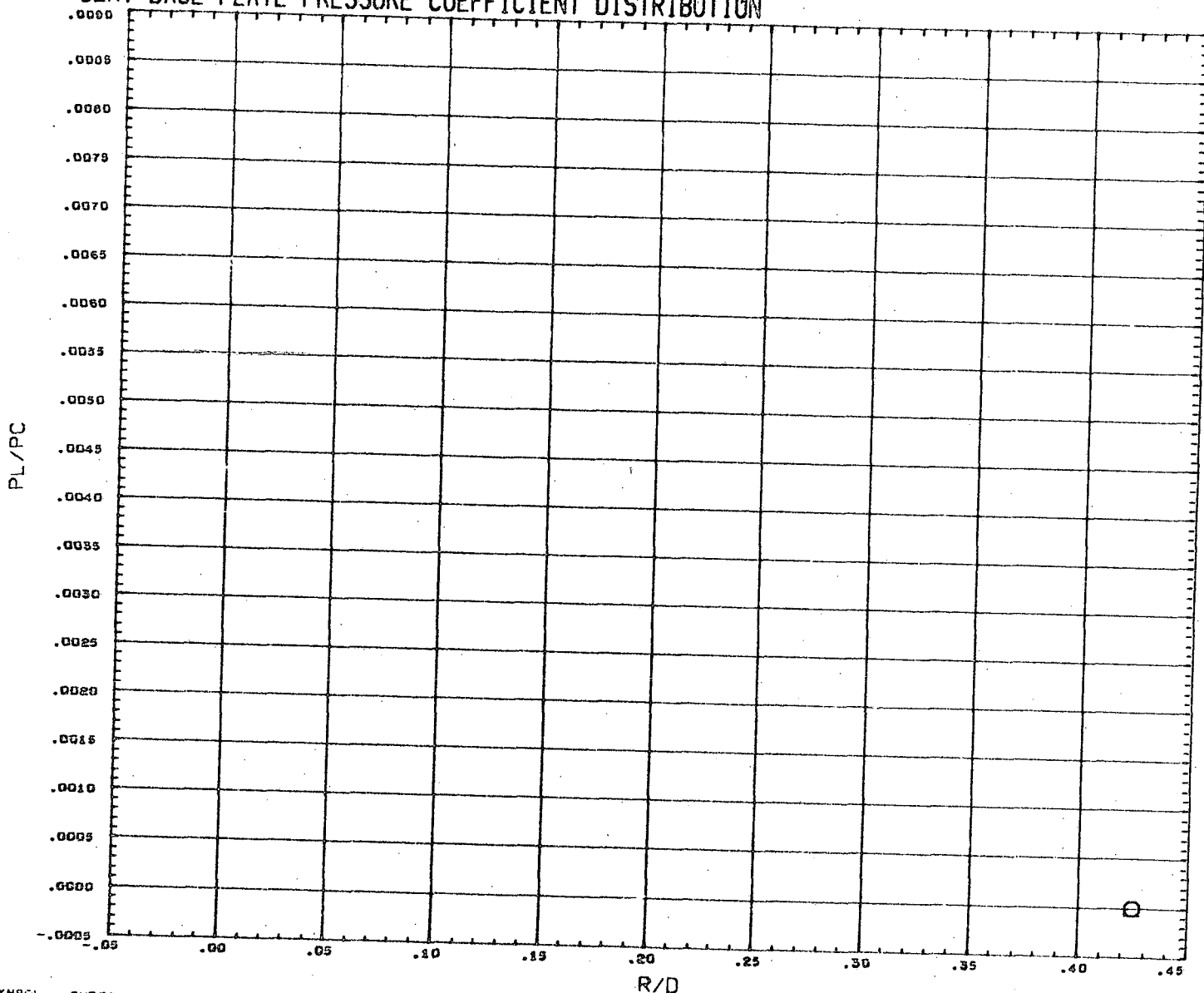
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	50. IN.	E/DOOR	PARAMETRIC VALUES	
○	5.620	304.463	0.074	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	90.000			XMRP	0.000	DIAMTR			
□	135.000			YMRP	0.000	DIAMTR			
×	174.380			ZMRP	0.000	DIAMTR			
○	269.000								

DATA SOURCE: FLOW CCSD TM-AP-70-449

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 304.463 0.074

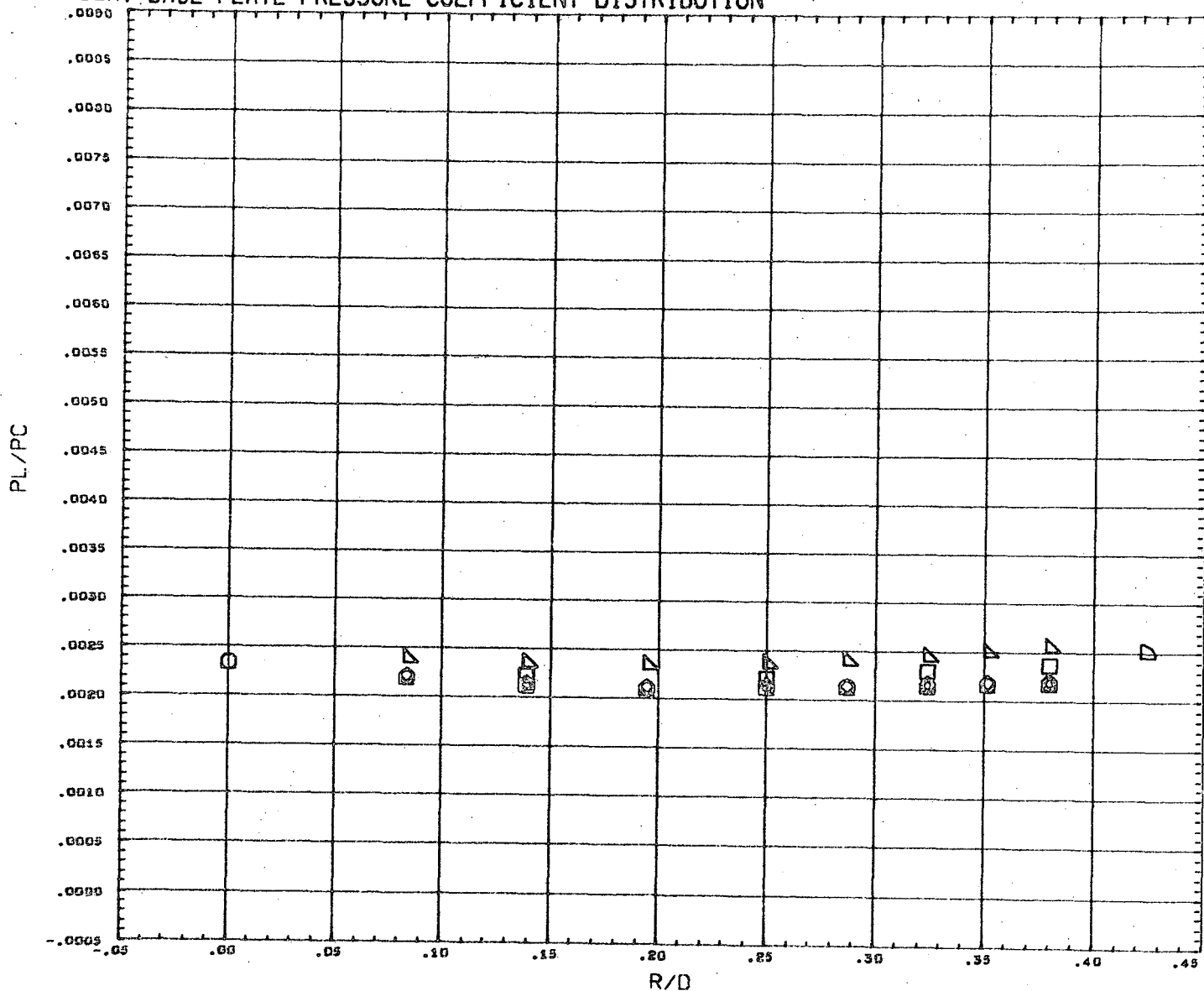
SREF 572.557 50. IN.
 LREF 27.000 INCHES
 ØREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

00000000.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

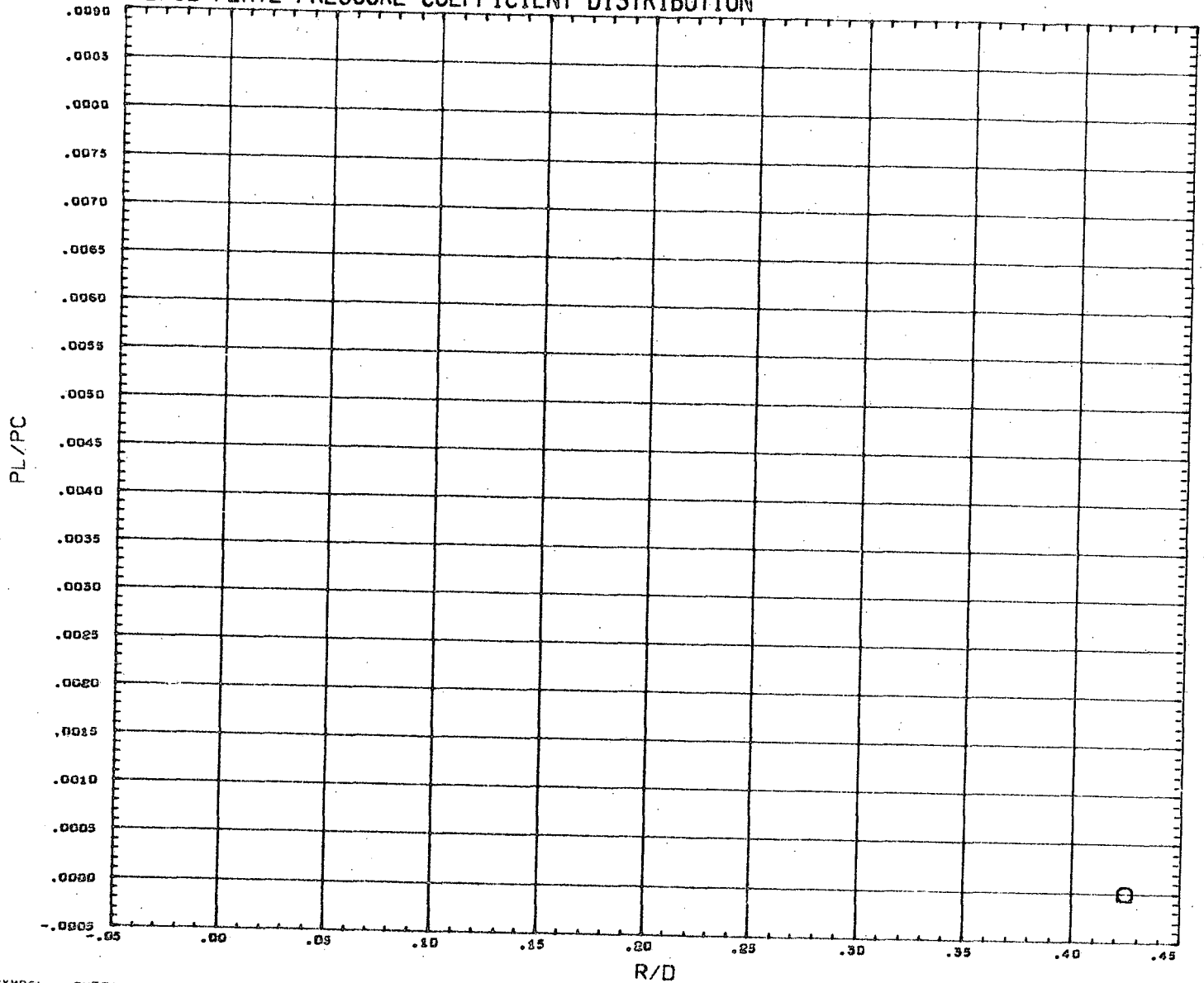
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ.IN.	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	5.620	401.790	0.123	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	45.000																		
◇	90.000																		
□	135.000																		
▽	174.360																		
◇	269.000	BB#BR006E.FE00E	CC00	TN-AP-70-445															

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 309.000 401.790 0.123

SREF 572.557 58.1N.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

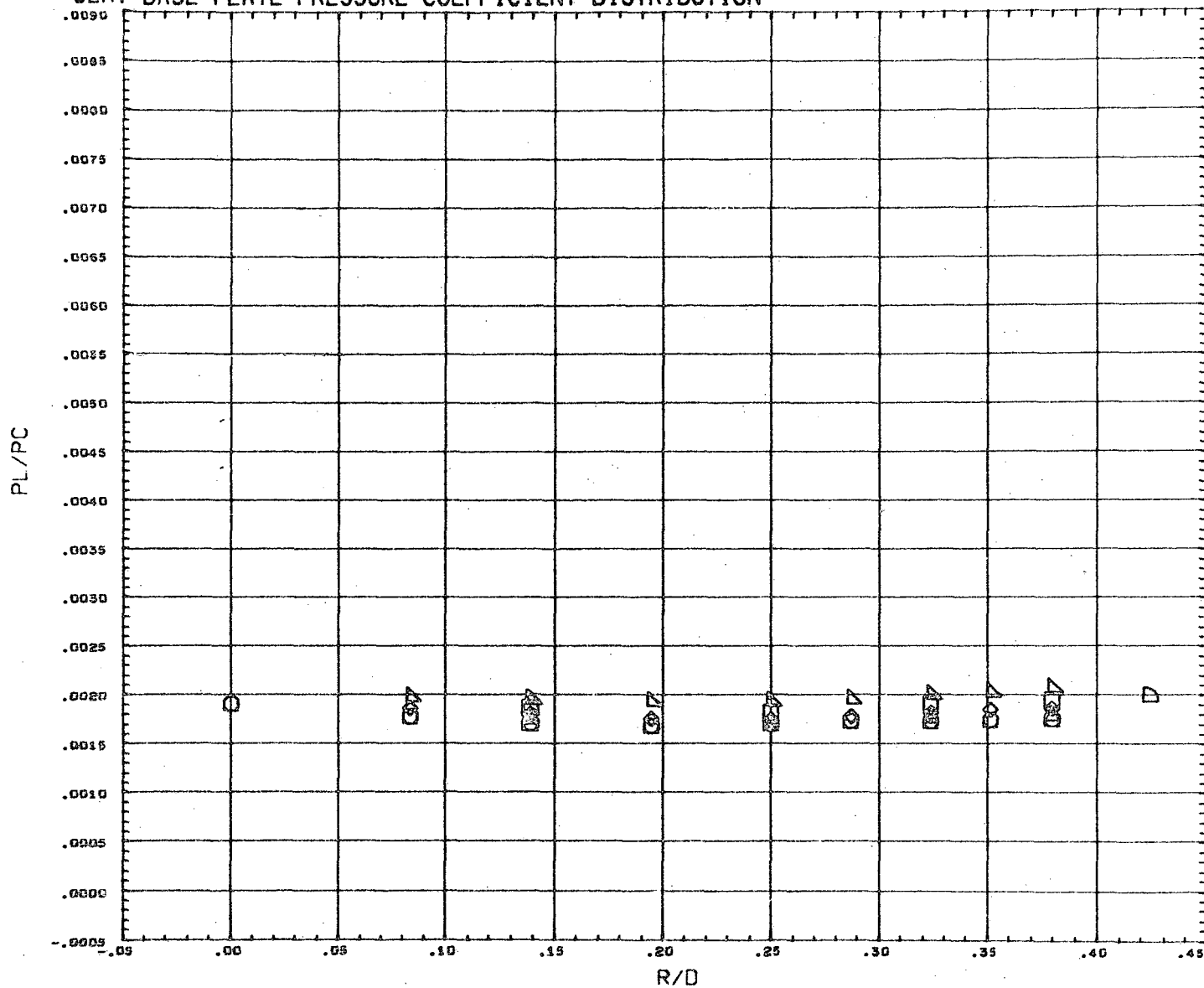
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

DATA SOURCE: FLOW CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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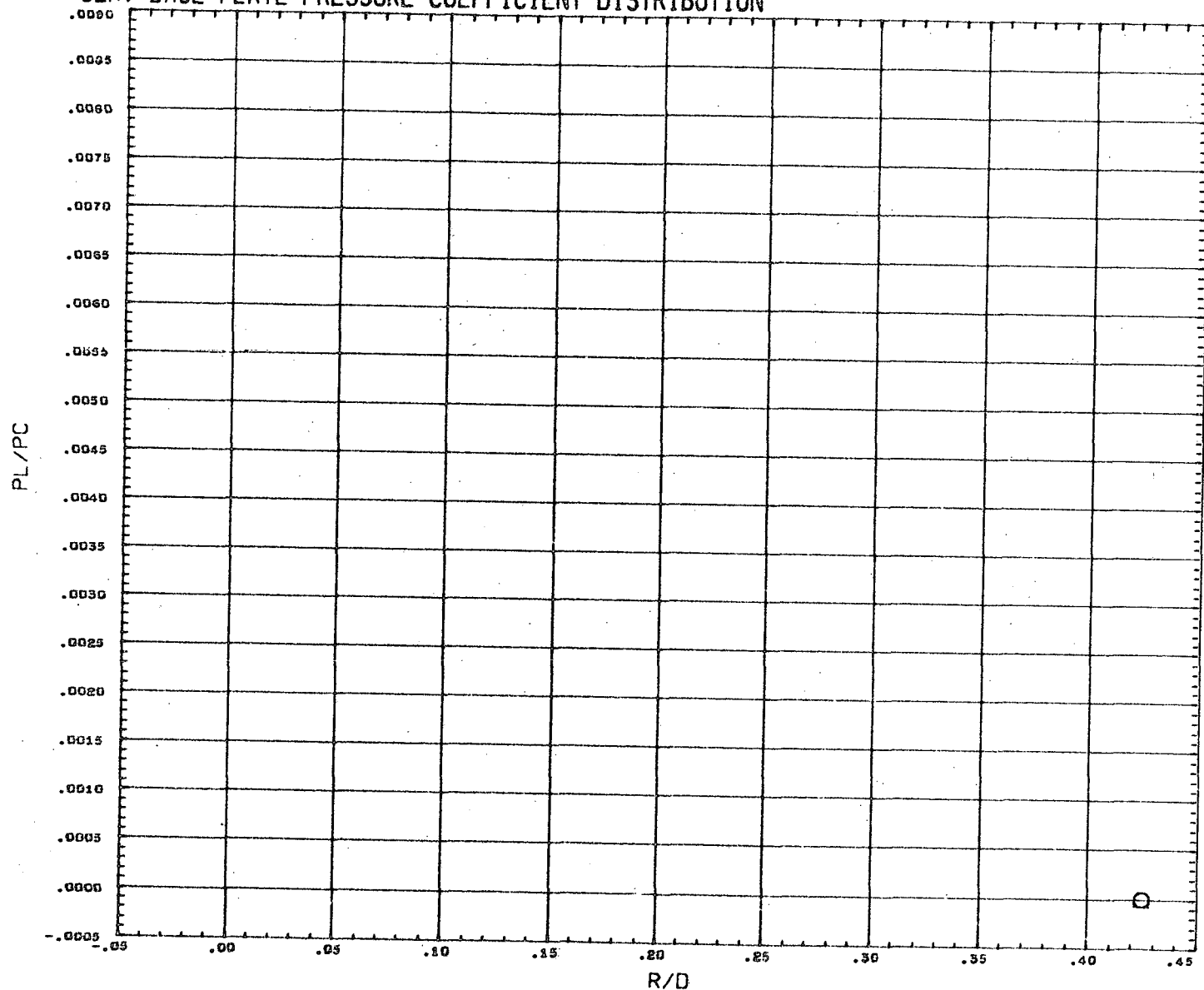
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH					PARAMETRIC VALUES		
○	5.620	481.607	0.131	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
△	45.000			LREF	27.000	INCHES				
◇	90.000			BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◻	135.000			XMRP	0.000	DIAMTR				
◼	174.380			YMRP	0.000	DIAMTR				
▷	269.000			ZMRP	0.000	DIAMTR				
		BARBERSHREE	CCSD	TN-AP-70-445						

0000000000.FEC02E CCSD TH-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 359.000 481.607 0.131

SREF 572.557 SQ.IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XNRF 0.000 DIAMTR
 YNRF 0.000 DIAMTR
 ZNRF 0.000 DIAMTR

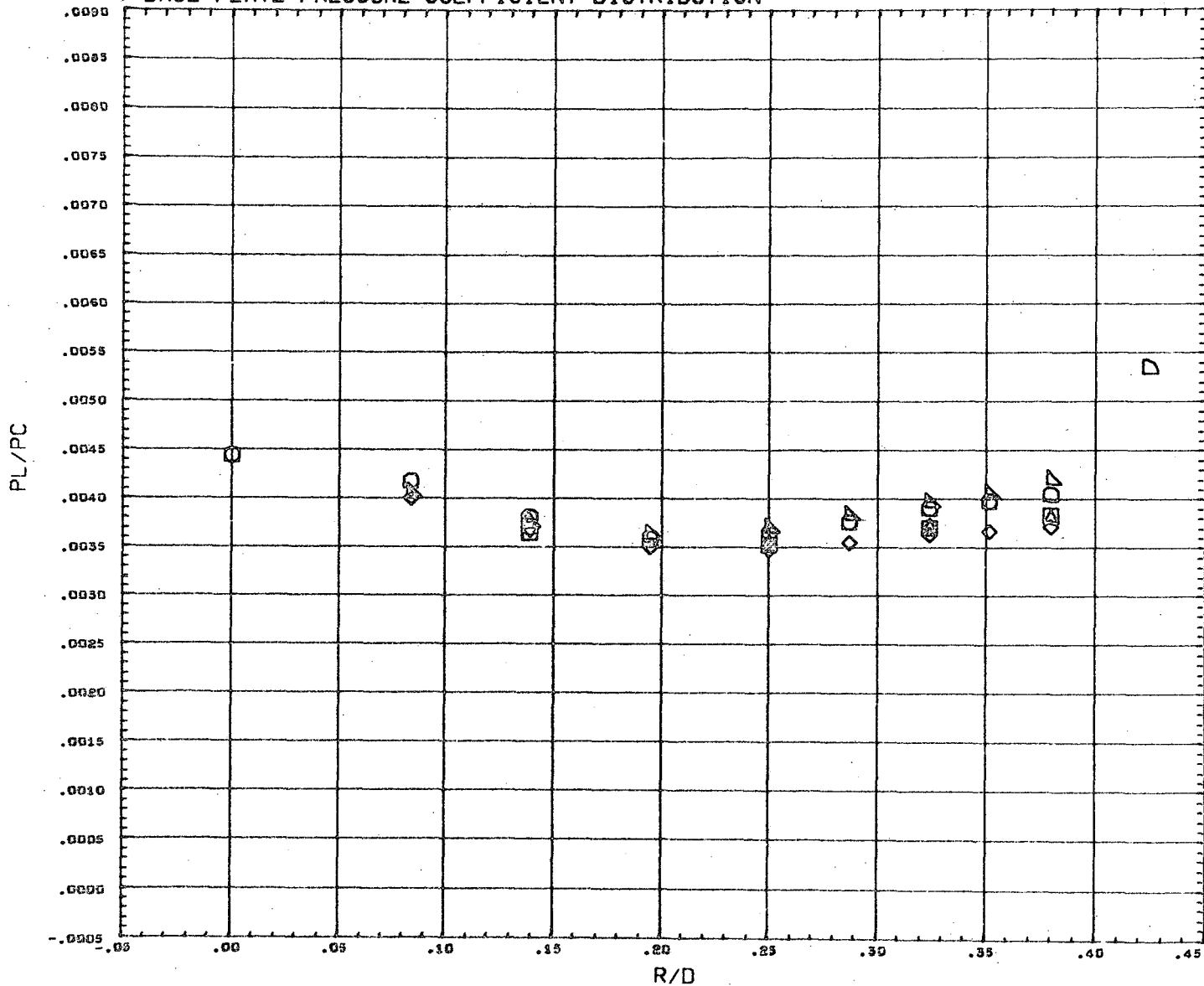
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

0070R0068.F000E CCOD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

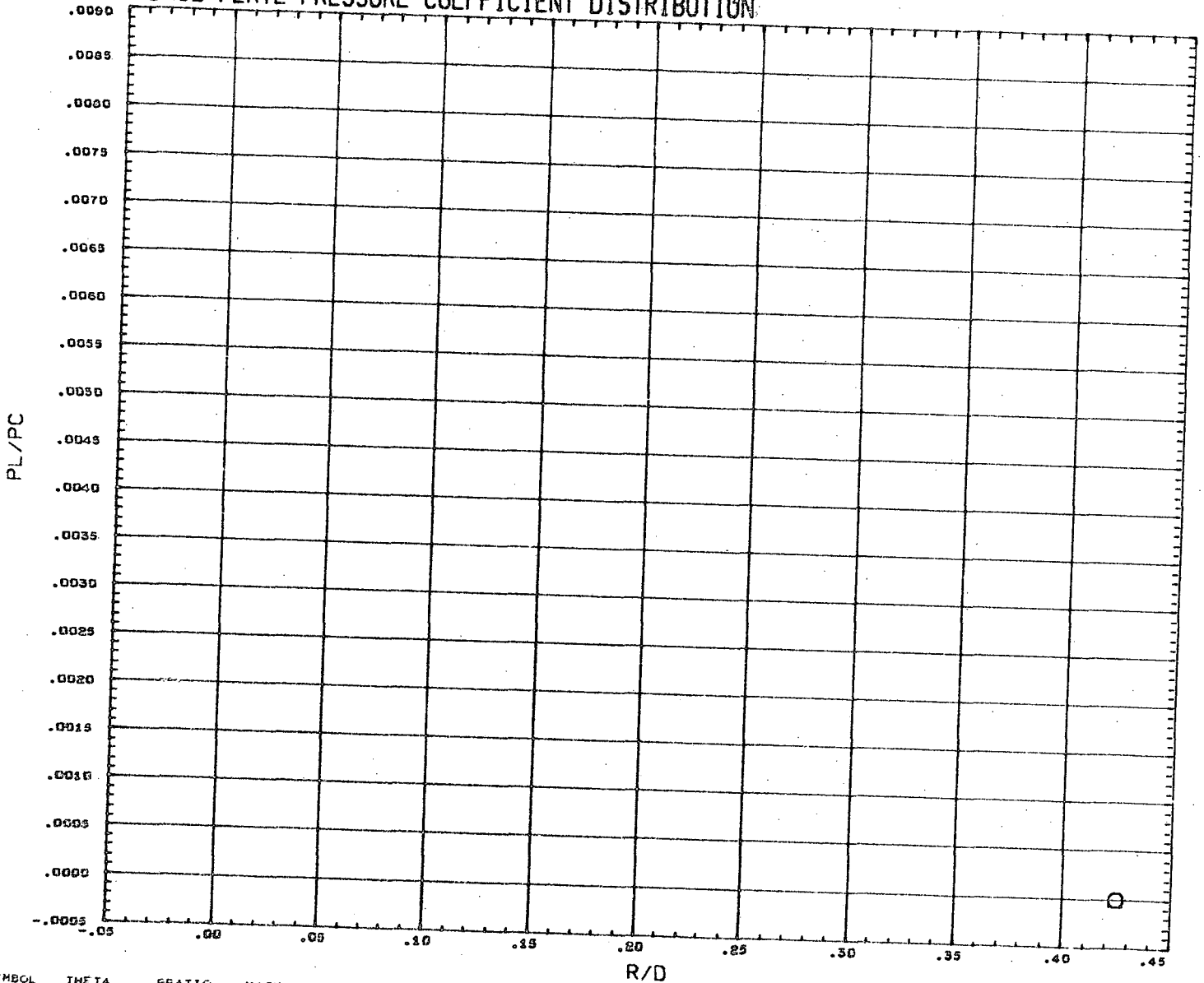


SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
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△	45.000			58. IN.	INCHES	INCHES	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	90.000						CIAMTR	CIAMTR	CIAMTR	
◊	135.000									
◡	174.380									
◢	269.000									

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL Q THETA 309.000 PRATIO 201.700 MACH 0.600

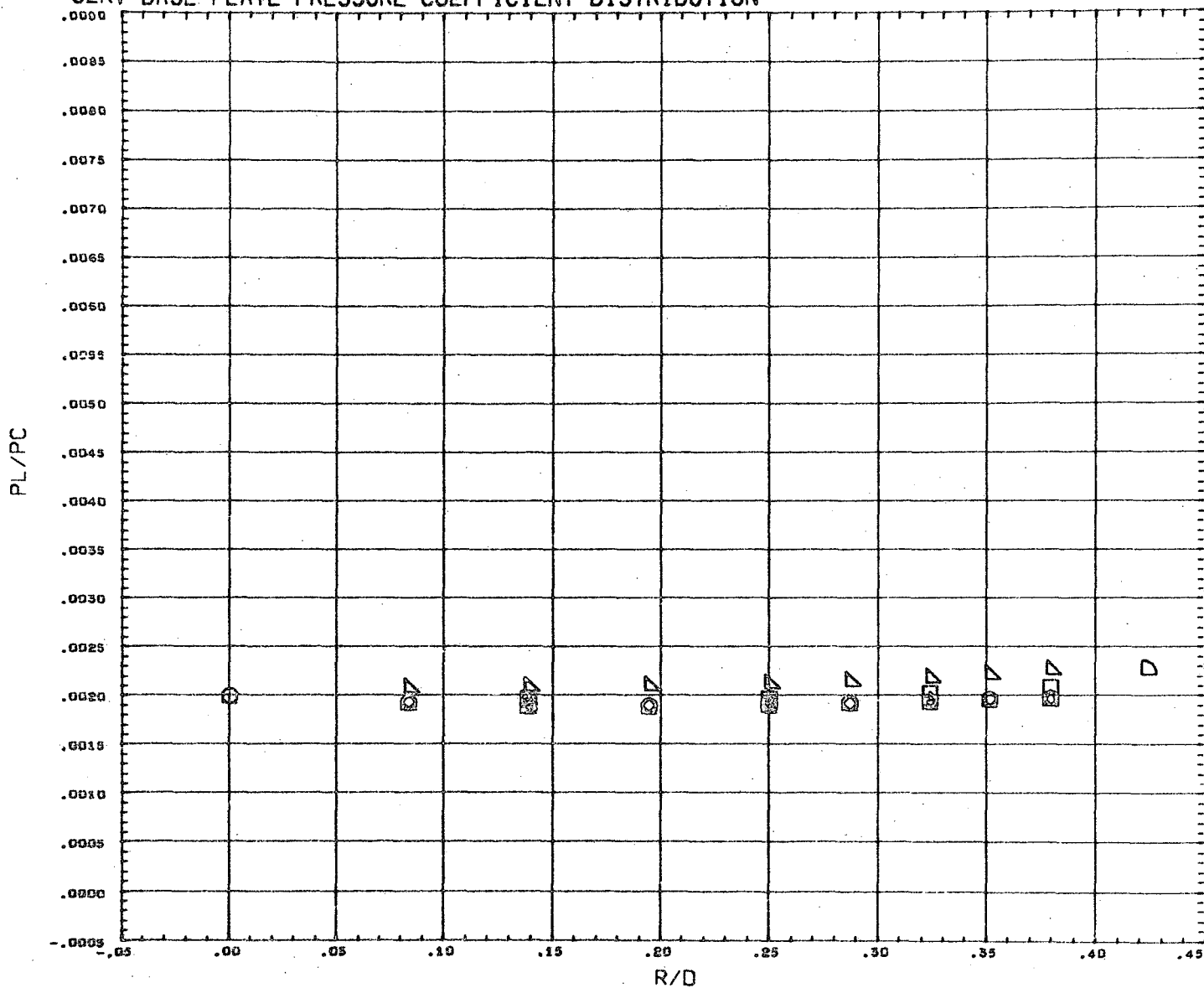
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LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 404.679 WS/WFC 0.000

0870R0000.FE00E CCSD TN-AP-70-448

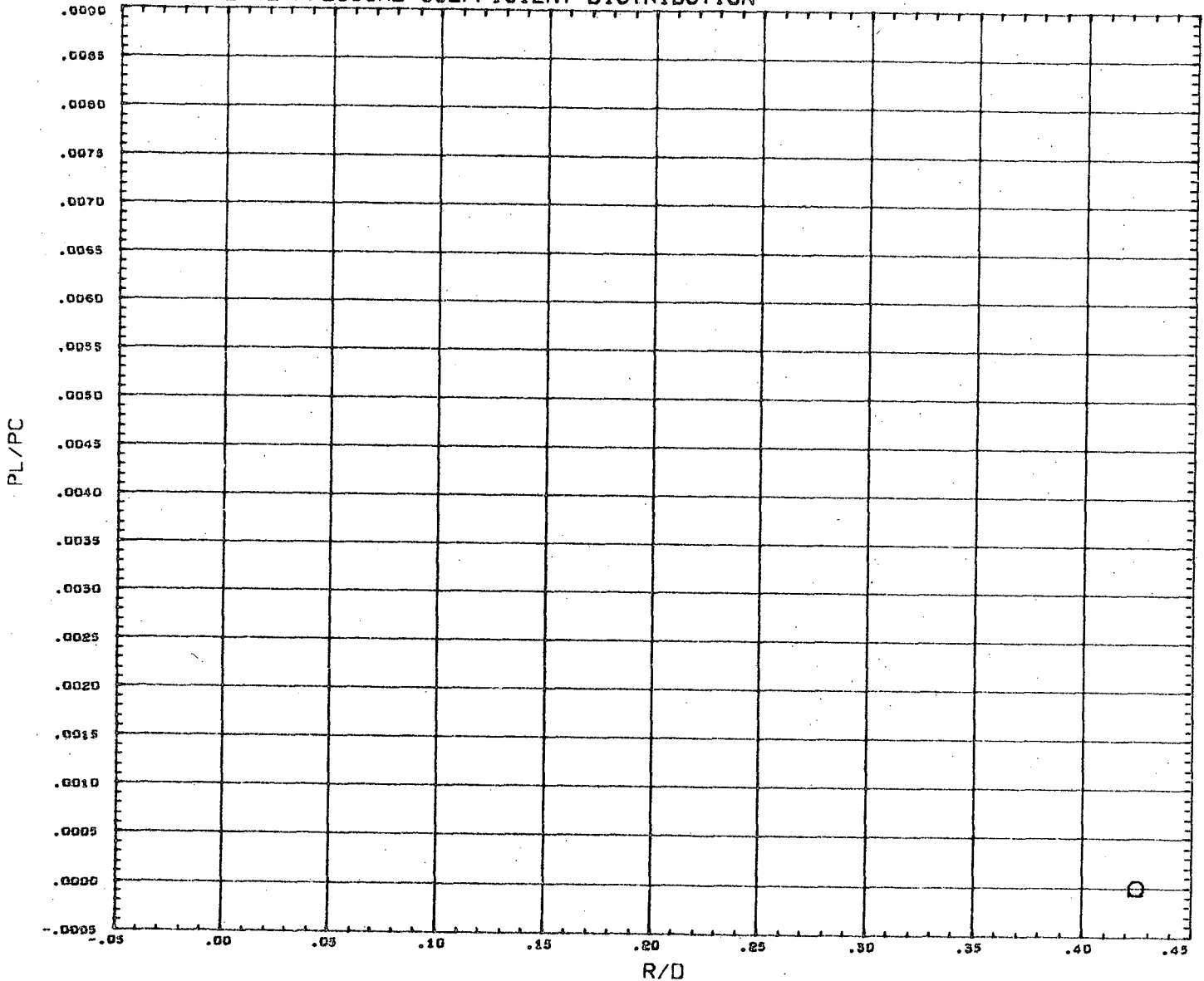
AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			572.557	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	90.000									
□	135.000									
▽	174.300									
◇	269.000									

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 401.290 0.598

SREF 572.557 SQ.IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

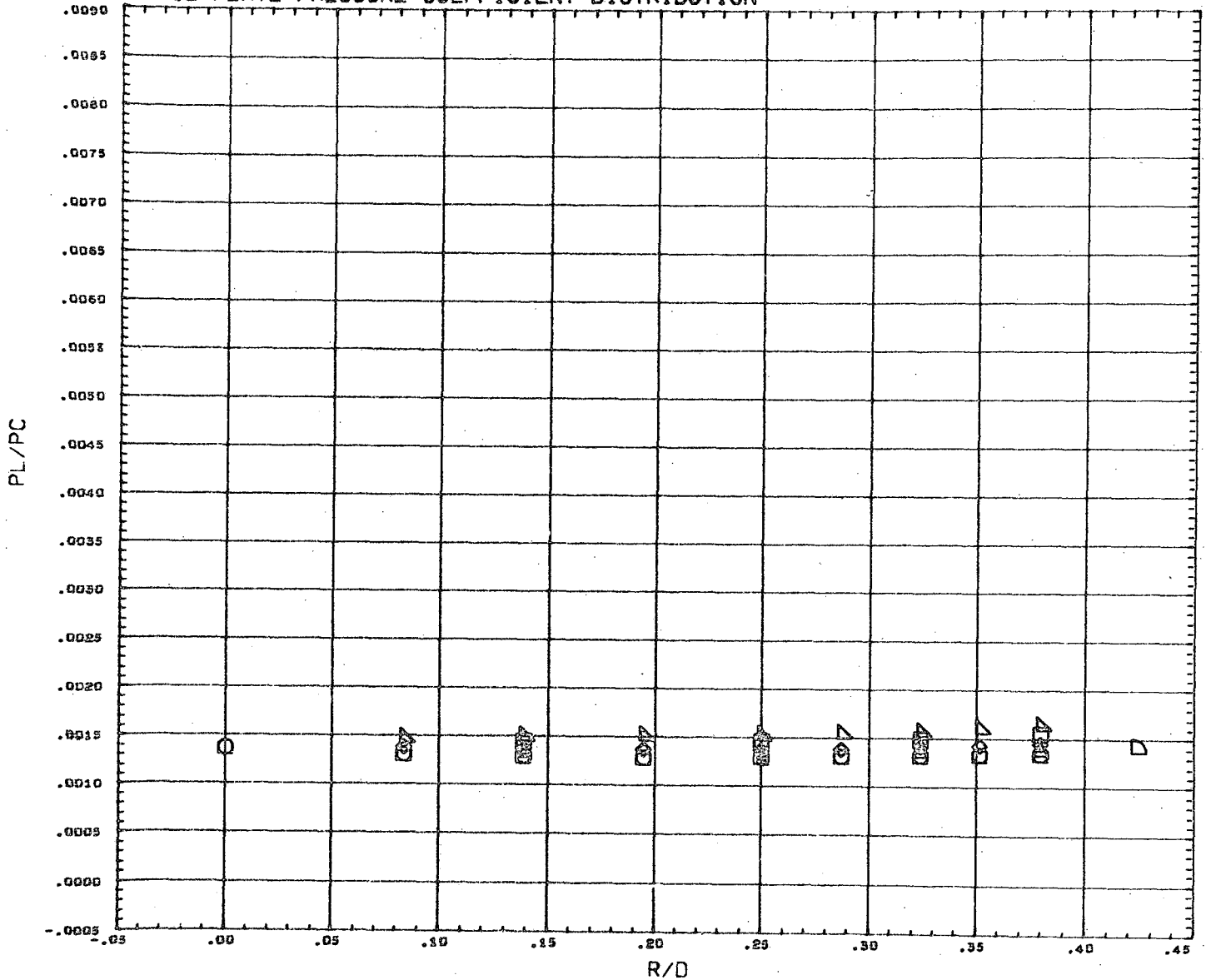
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DB70R000E.FE00E CC00 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

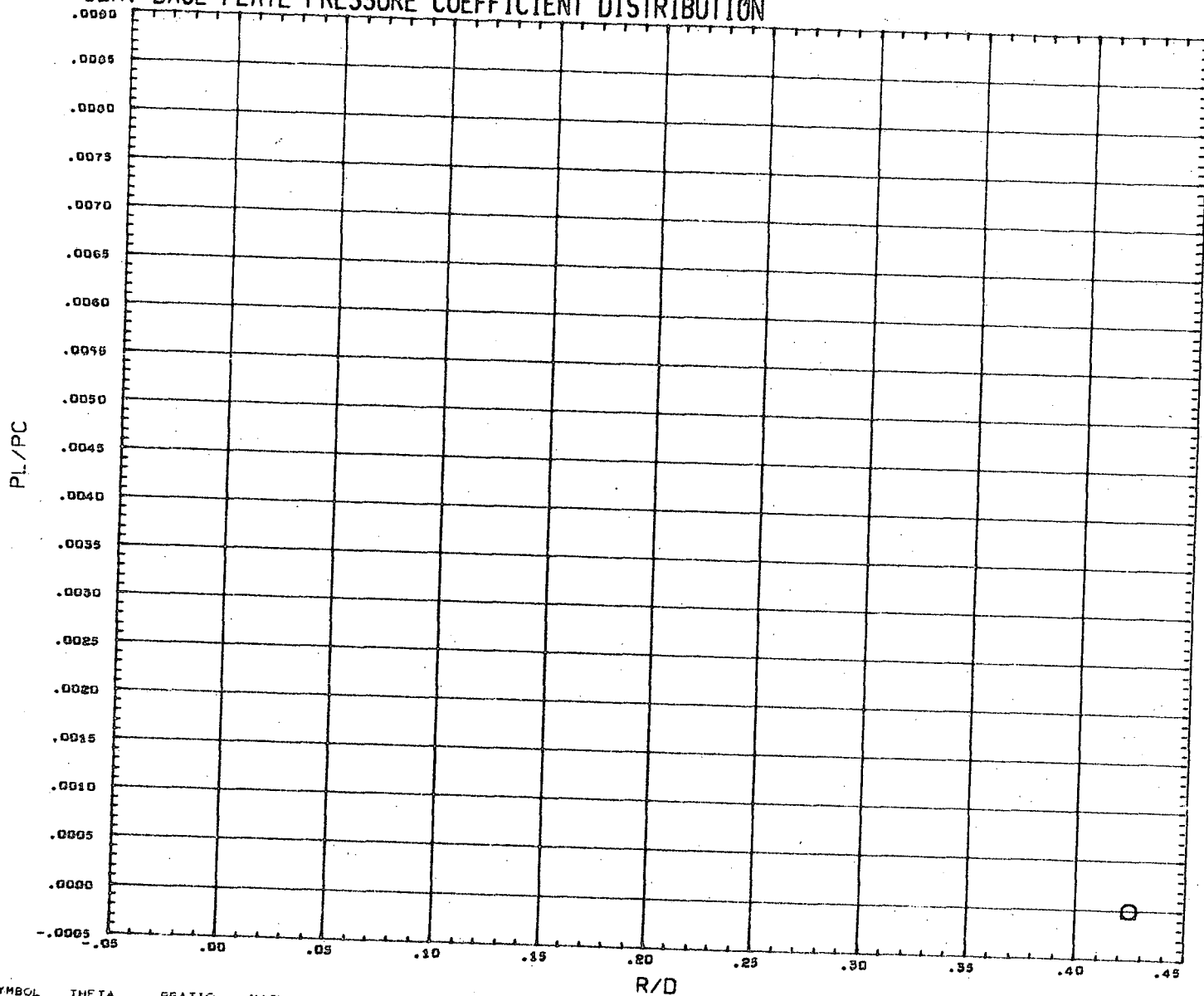
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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH					PARAMETRIC VALUES		
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◇	45.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◇	90.000			BREF	27.000	INCHES				
◇	135.000			XHRF	0.000	DIAMTR				
◇	174.300			YHRF	0.000	DIAMTR				
◇	269.000			ZHRF	0.000	DIAMTR				
B876R0360.F002 CC80 TN-AP-70-445										

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 576.883 0.590

SREF 572.557 58.IN.
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 BREF 27.000 INCHES
 XMRP 0.000 CIAMTR
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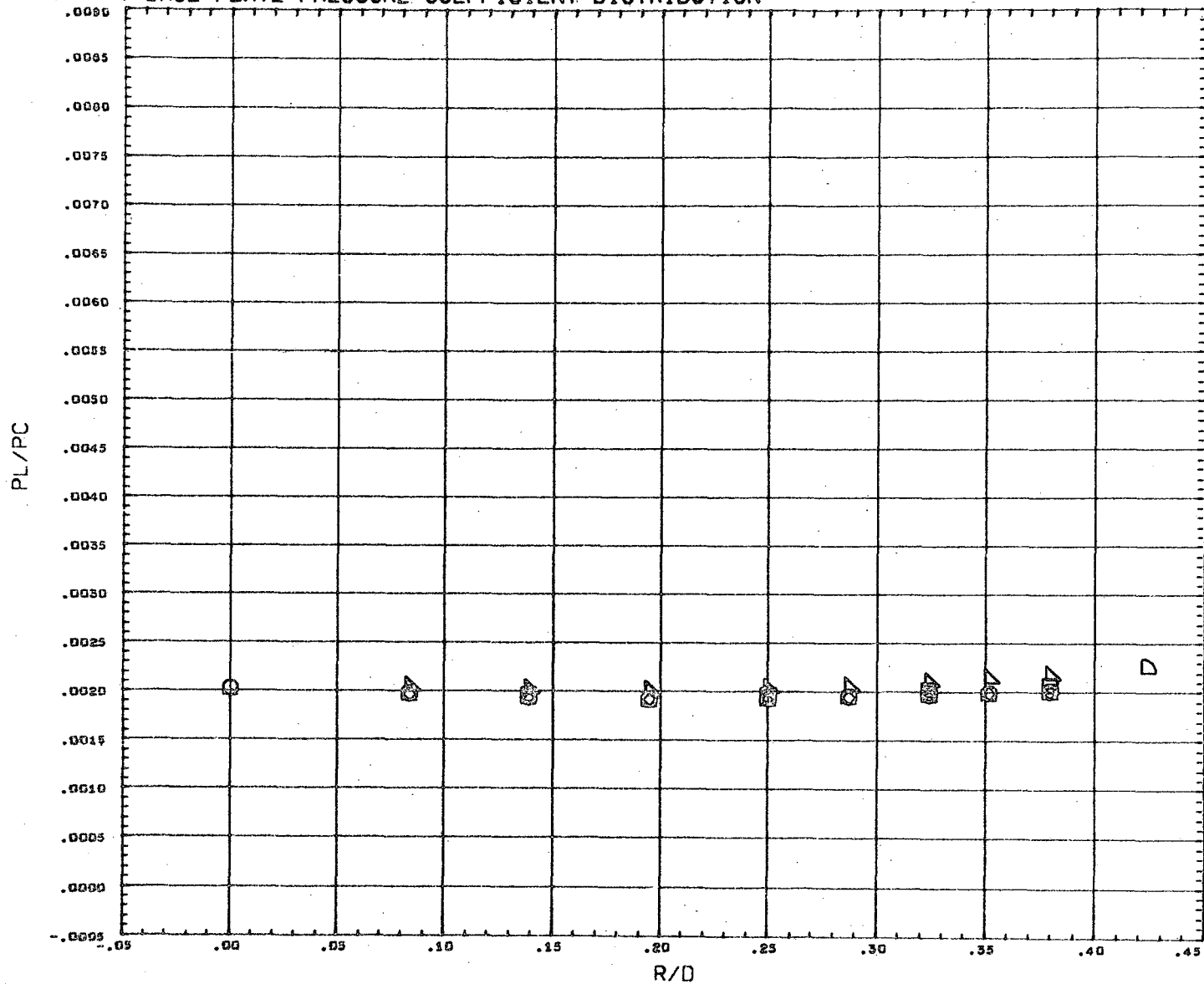
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 FC 404.679 WS/WPC 0.000

007188000.F000E CCSD TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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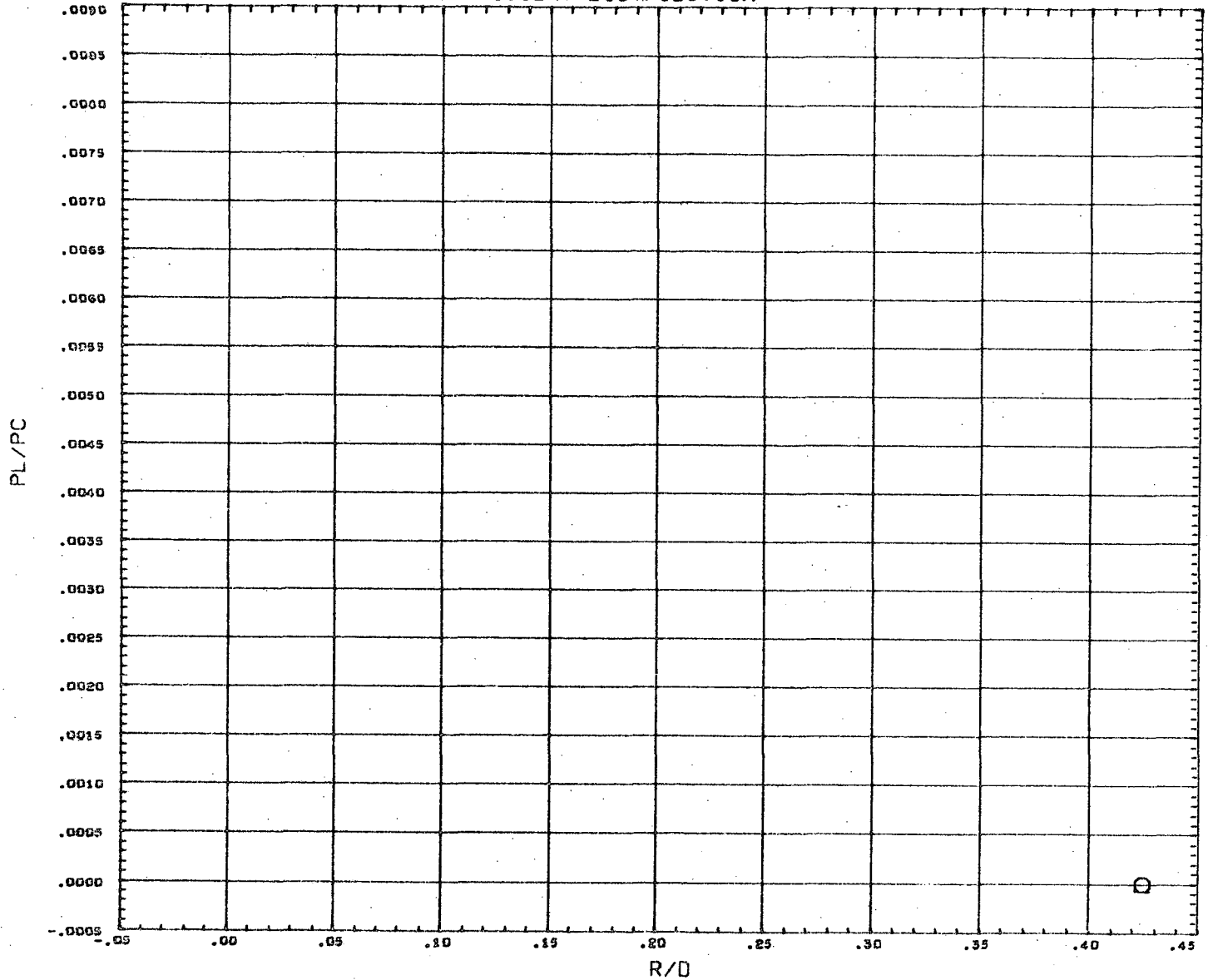
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG.IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	FC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	5.620	302.353	0.801	572.557	27.000	27.000	0.000	0.000	0.000	59.100	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	45.000																			
◇	90.000																			
□	135.000																			
▤	174.380																			
▥	269.000																			

DATA0000.FE00E CCSD TM-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



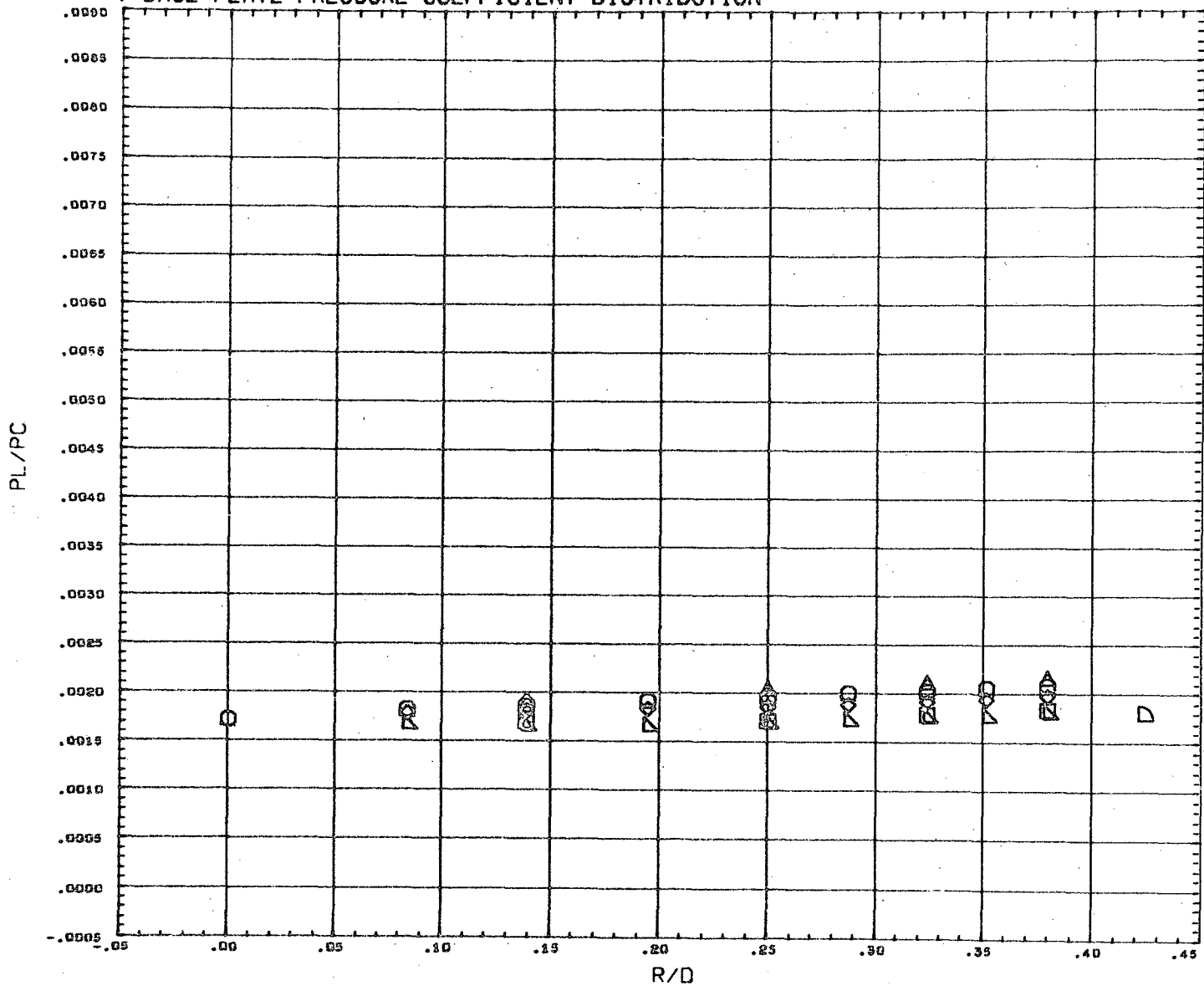
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
○	309.000	302.353	0.801	LREF	27.000	INCHES	0.000	ALPHA	0.004
				BREF	27.000	INCHES	PC	404.679	WS/WFC
				XHRF	0.000	DIAMTR			0.000
				YHRF	0.000	DIAMTR			
				ZHRF	0.000	DIAMTR			

0878R0000.FE00E CC80 TM-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



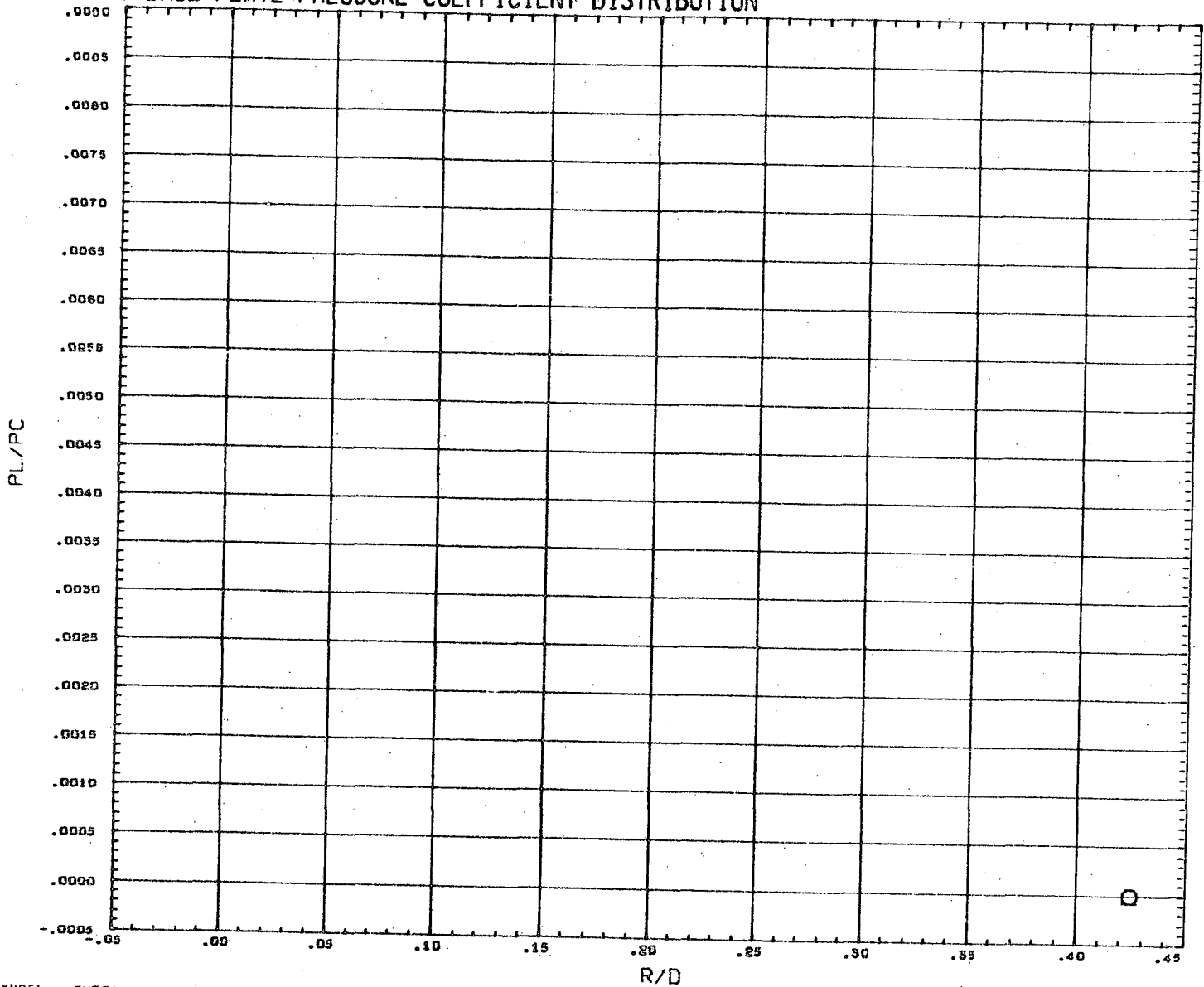
SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WPC
○	5.620	400.087	0.798	572.557	27.000	27.000	0.000	0.000	0.000	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	45.000																			
◇	90.000																			
□	135.000																			
▽	174.380																			
◇	269.000																			

08708008.F008 CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 400.087 0.798

SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
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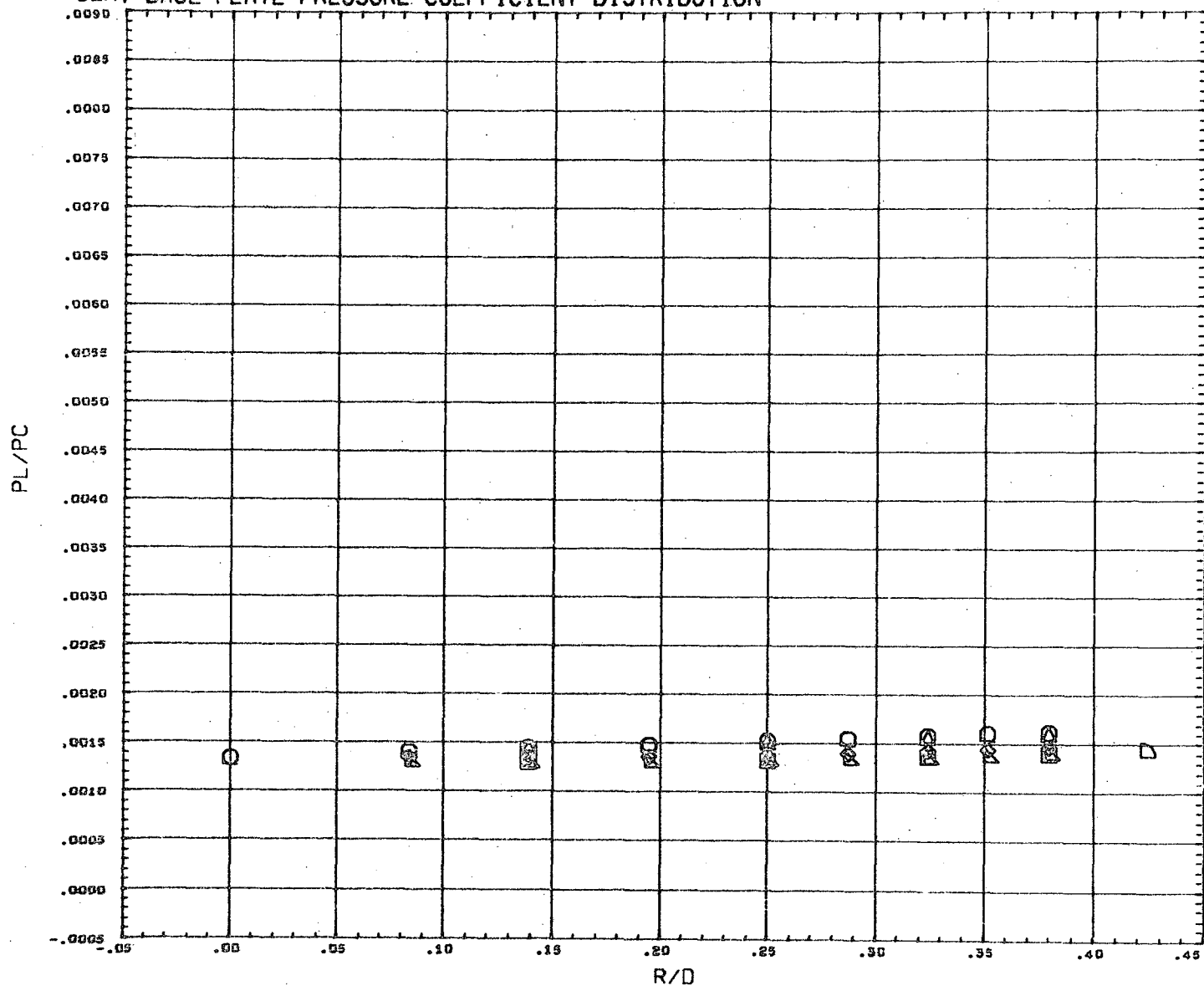
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

057088888.FSCSE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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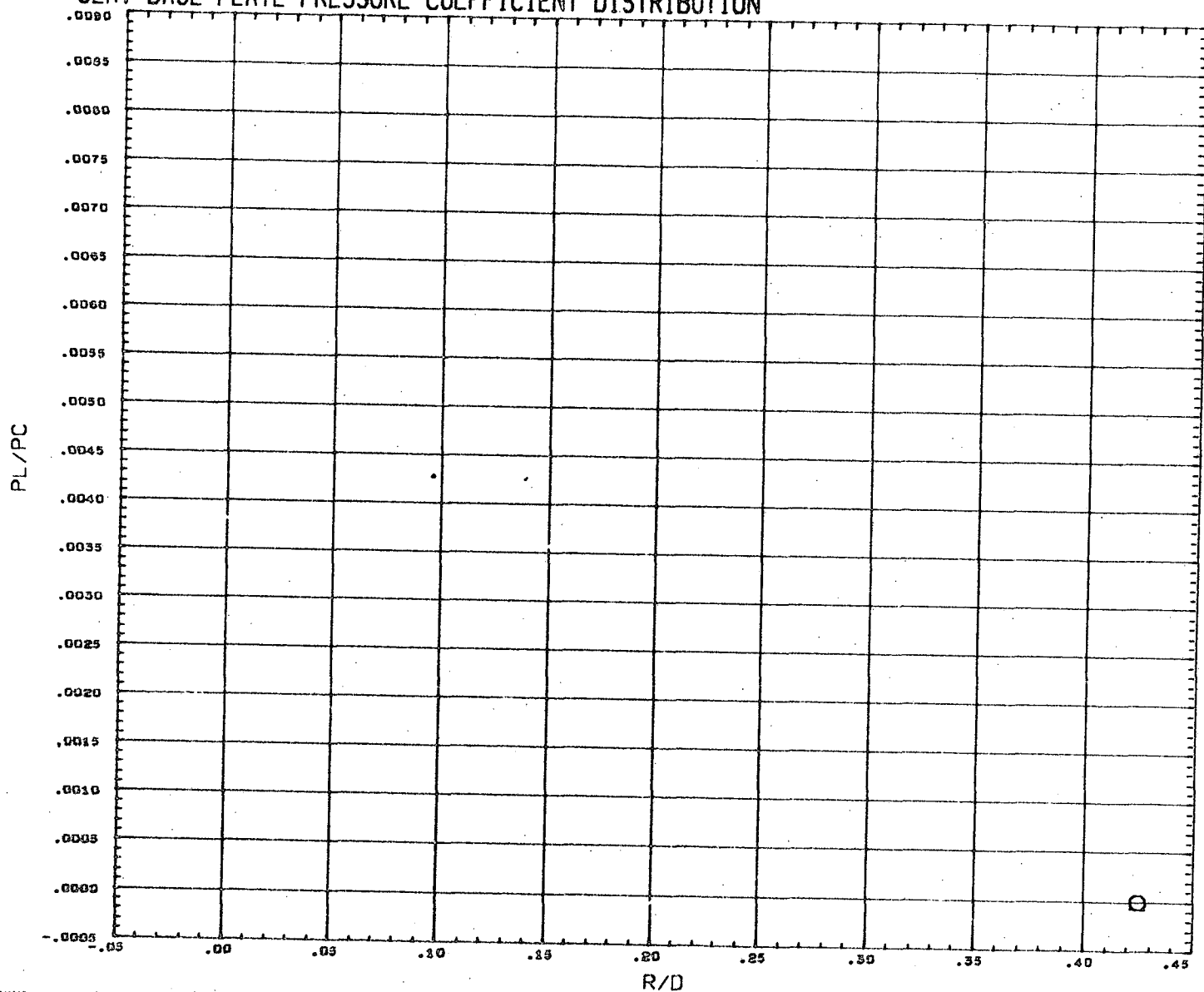
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XREF	YREF	ZREF	PARAMETRIC VALUES
○	5.620	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			27.000	27.000	27.000	0.000	0.000	0.000	PC 404.679 WS/WPC 0.000
◇	90.000			27.000	27.000	27.000	0.000	0.000	0.000	
□	135.000			27.000	27.000	27.000	0.000	0.000	0.000	
▤	174.380			27.000	27.000	27.000	0.000	0.000	0.000	
◊	269.000			27.000	27.000	27.000	0.000	0.000	0.000	

DATA SOURCE: FPCRE CCGD TN-AP-70-445

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 499.307 0.799

SREF 572.557 SQ.IN.
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 BREF 27.000 INCHES
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 YMRP 0.000 DIAMTR
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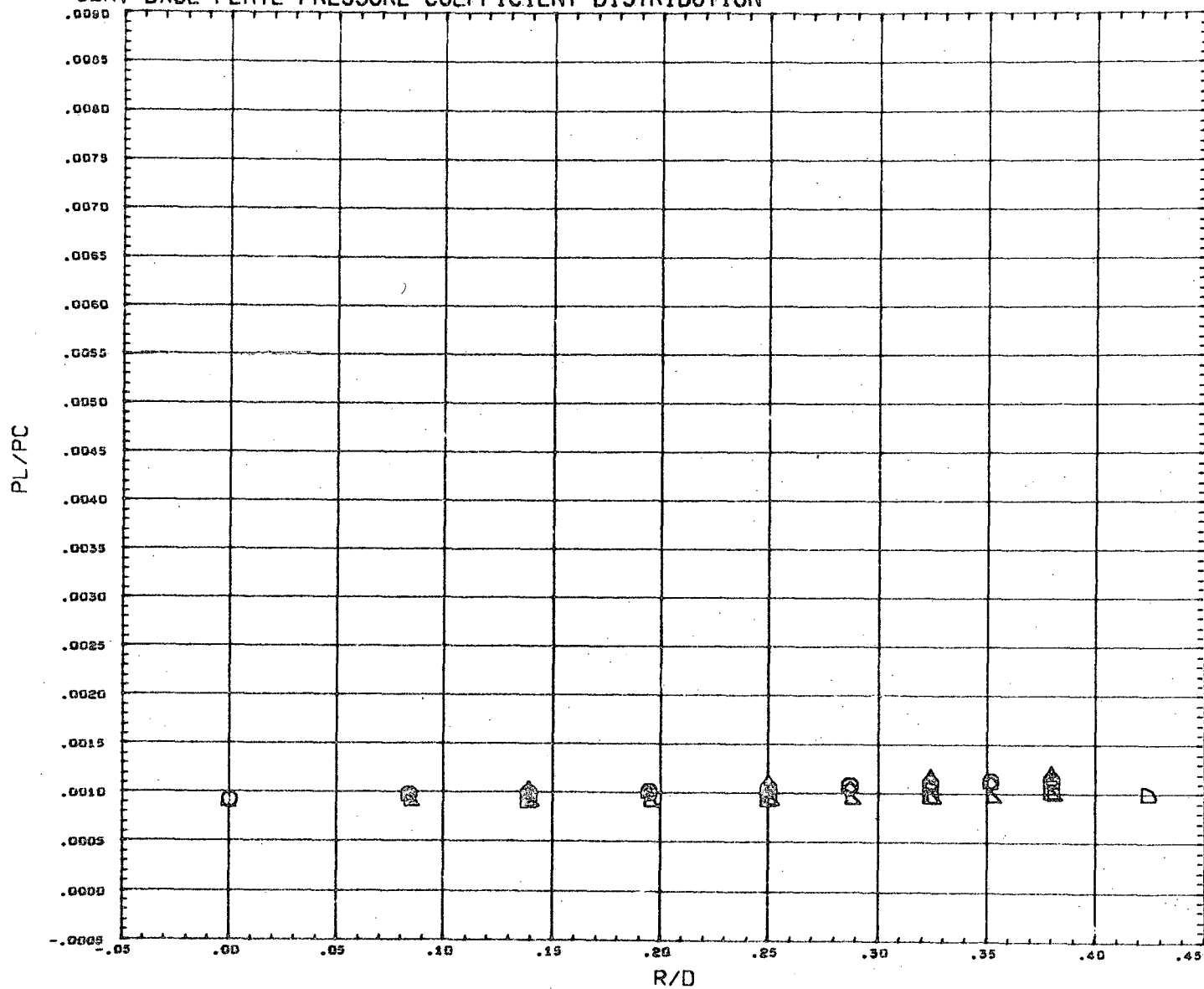
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
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DISSEMINATION CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

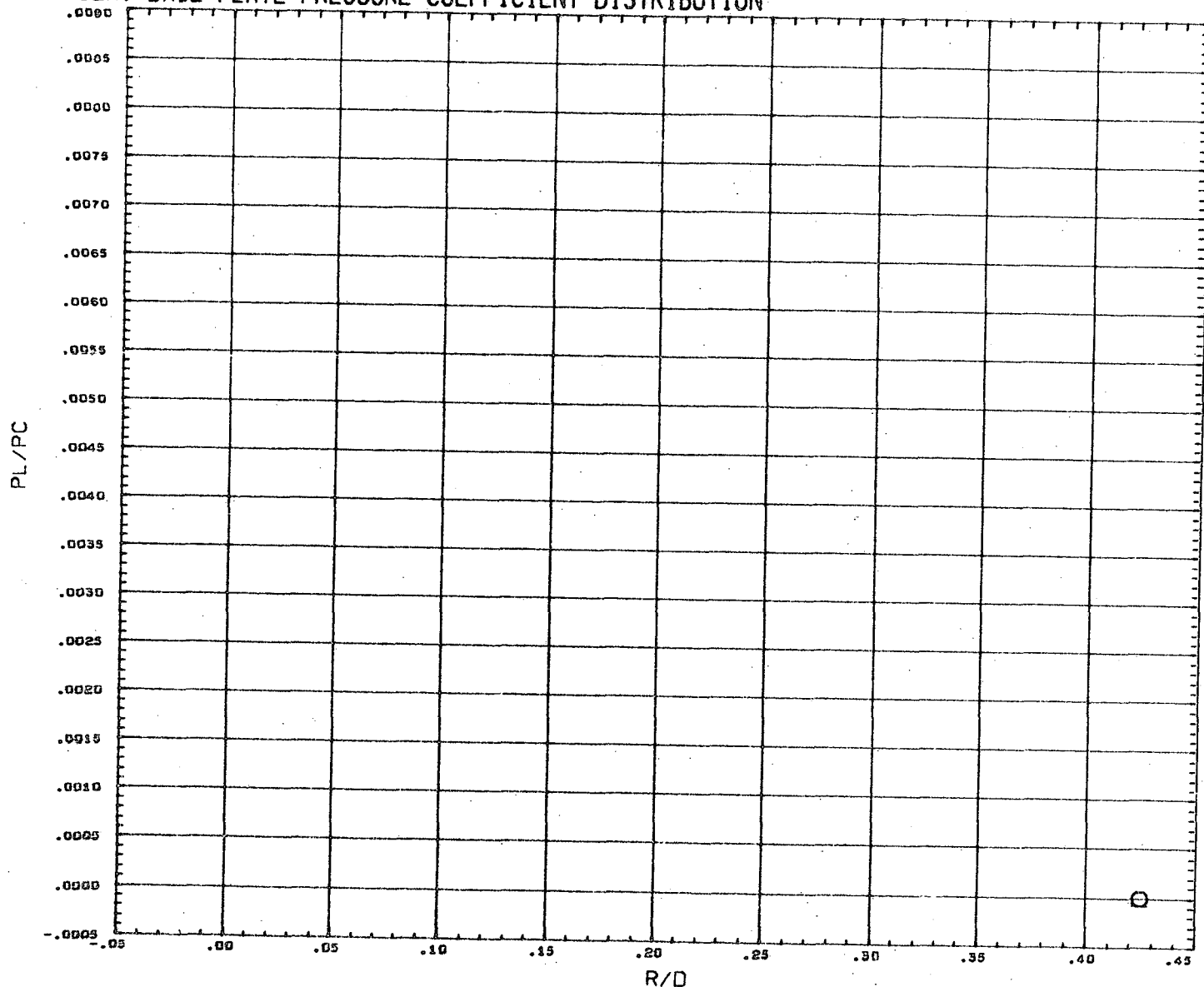
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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES	
○	5.620	689.802	0.803	LREF	27.000	INCHES	0.000	ALPHA	0.004
◇	45.000			BREF	27.000	INCHES	PC	404.679	WS/WFC
◇	90.000			XMRP	0.000	DIAHTR			
□	135.000			YMRP	0.000	DIAHTR			
△	174.380			ZMRP	0.000	DIAHTR			
△	269.000	0.000000.FE00E	CC80	TN-AP-70-445					

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL \square THETA 399.000 FRATIO 688.802 MACH 0.803

SREF 572.557 SQ. IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

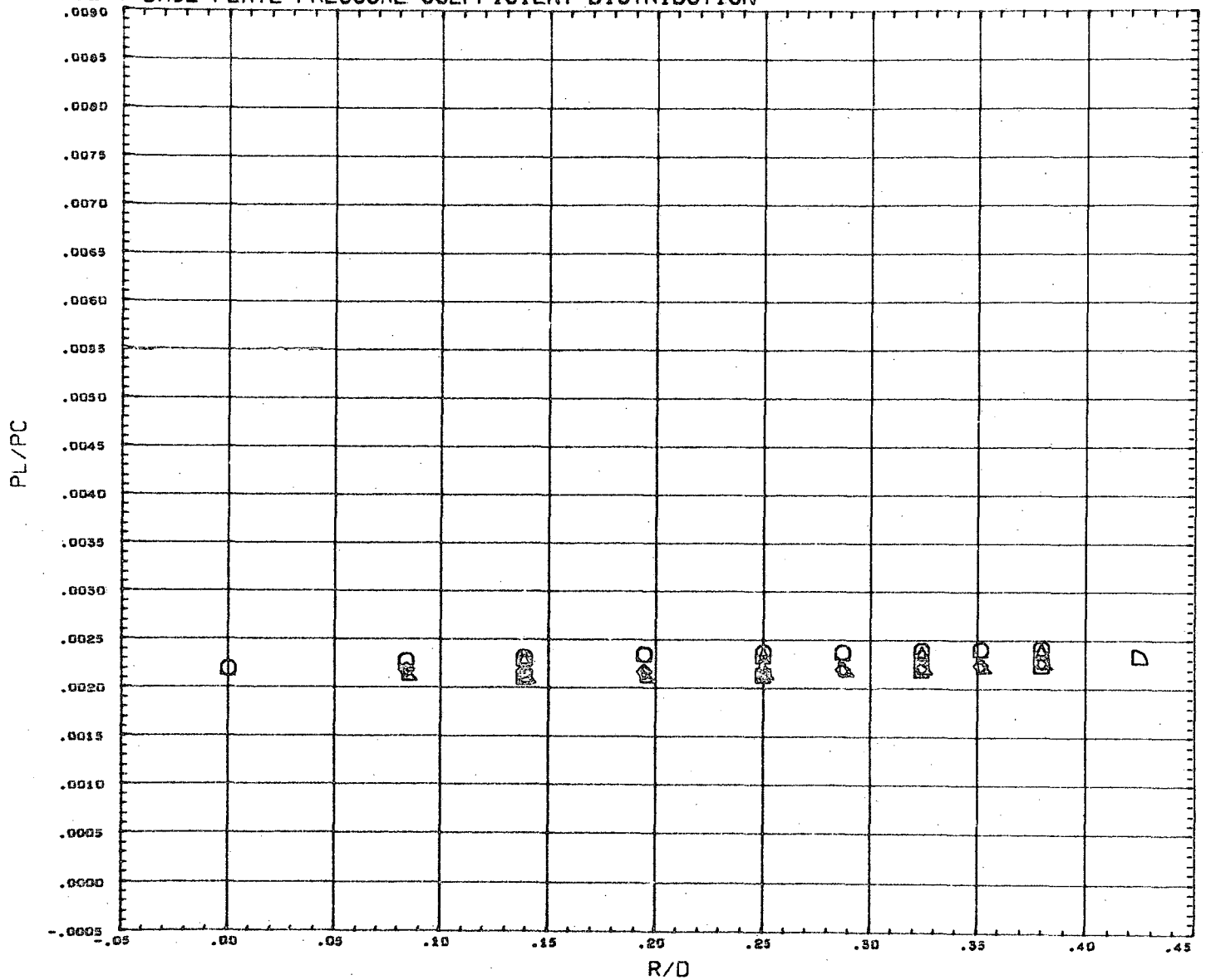
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
FC 404.679 WS/WFC 0.000

8878R0368.FE02E CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

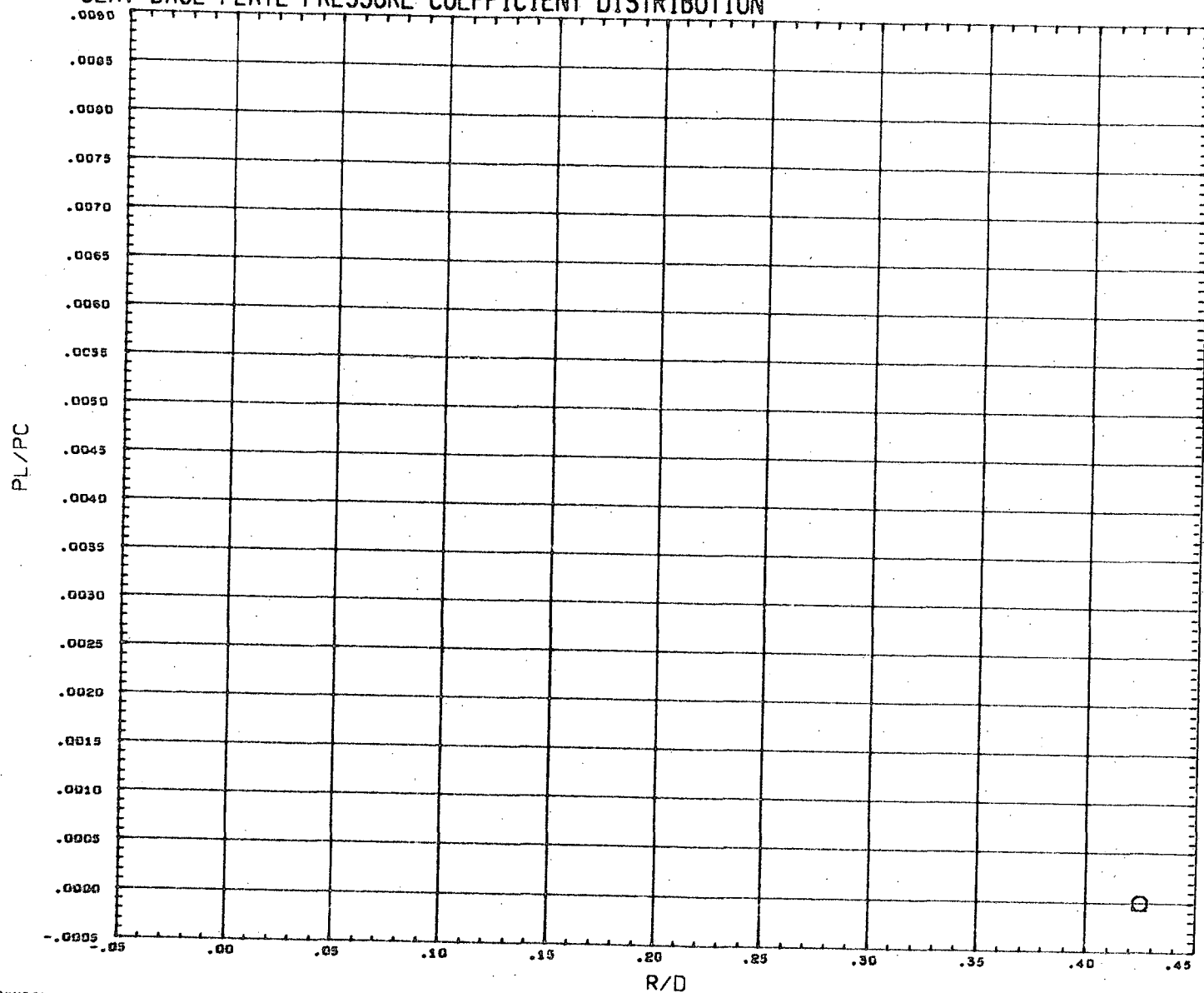


SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	5.620	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
△	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000	FC 404.679 WS/WFC 0.000
◇	90.000									
□	135.000									
▤	174.380									
○	269.000	00788880.FE02E	CC00	TN-AP-70-445						

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 306.157 0.905

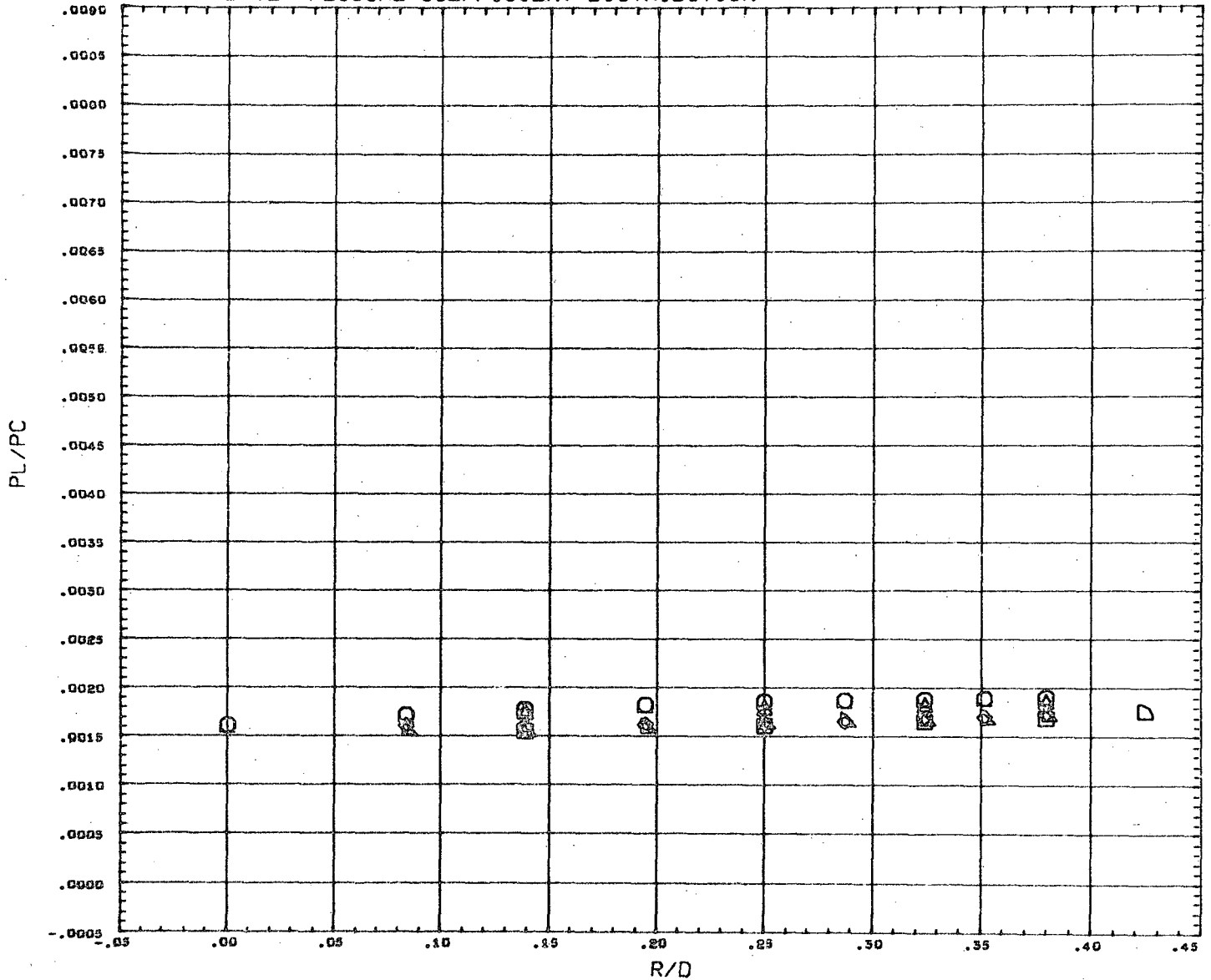
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 YMRP 0.000 DIAMTR
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PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA SOURCE: F602E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

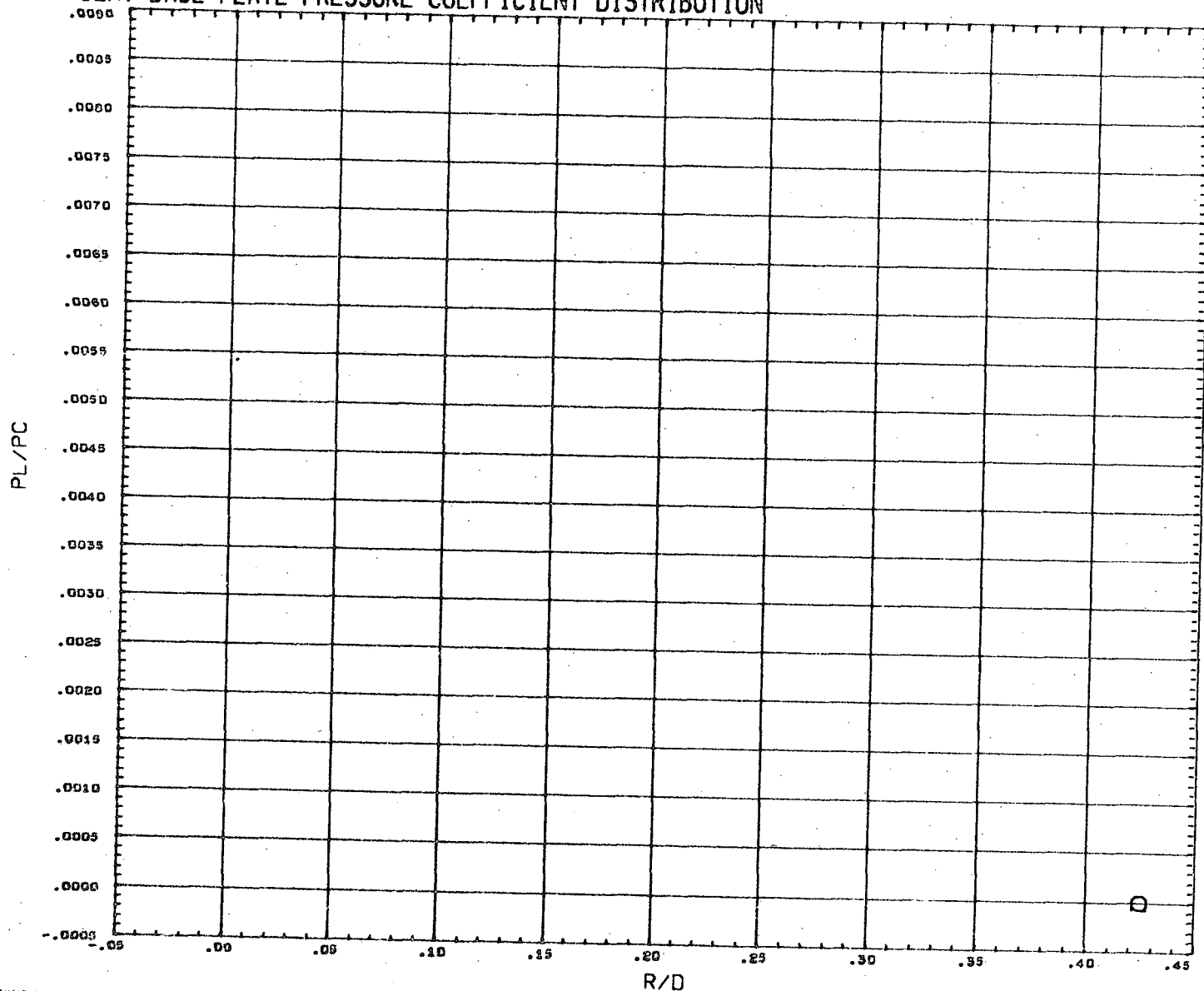


SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	399.707	0.900	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◇	45.000			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	WS/WFC	0.000
◇	90.000													
◇	135.000													
◇	174.360													
◇	269.000	0.000000E+000	CC80	TN-AP-70-449										

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 399.767 0.900

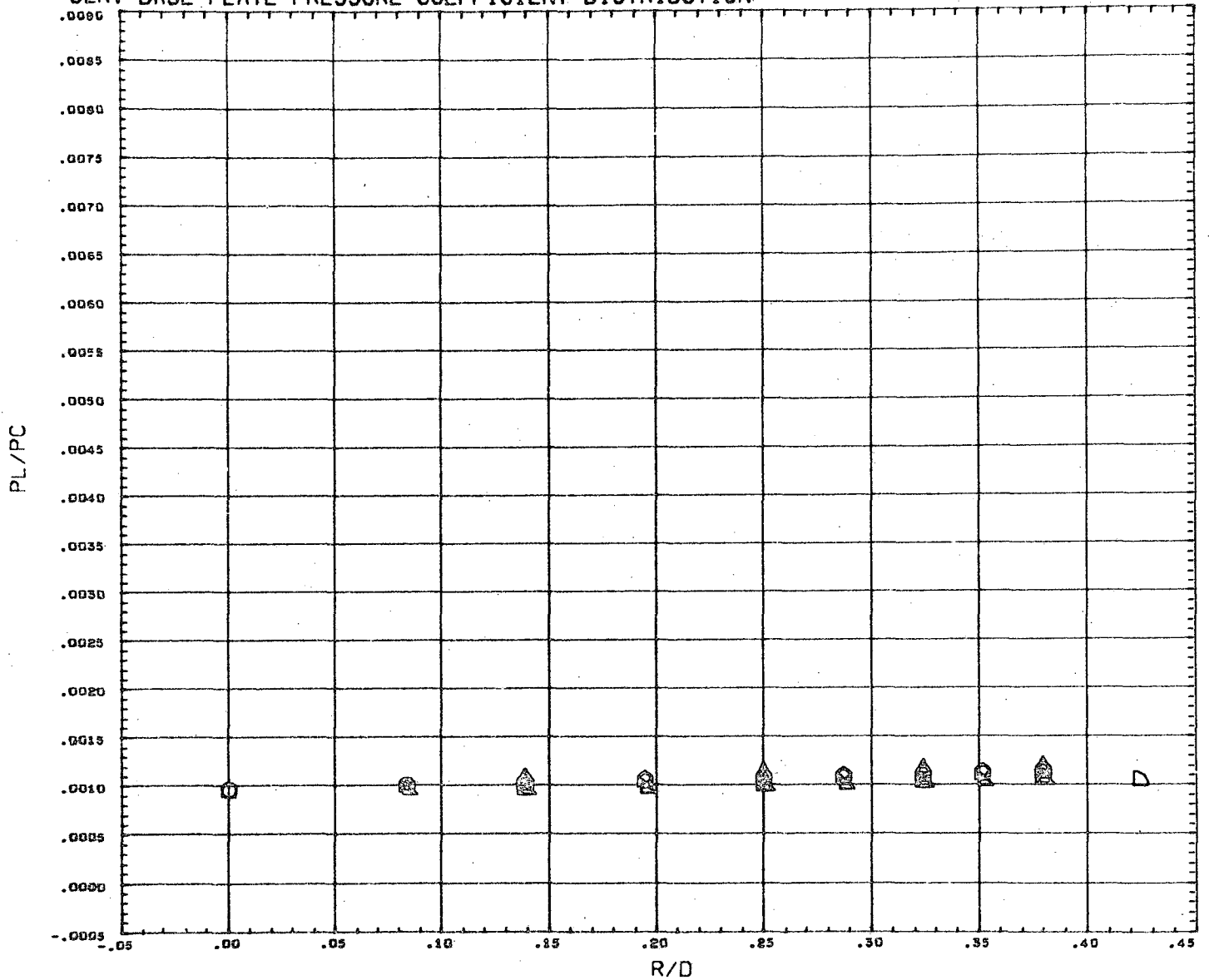
SREF 572.557 58.1N.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
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 YHRF 0.000 DIAMTR
 ZHRF 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

000680000.F000E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

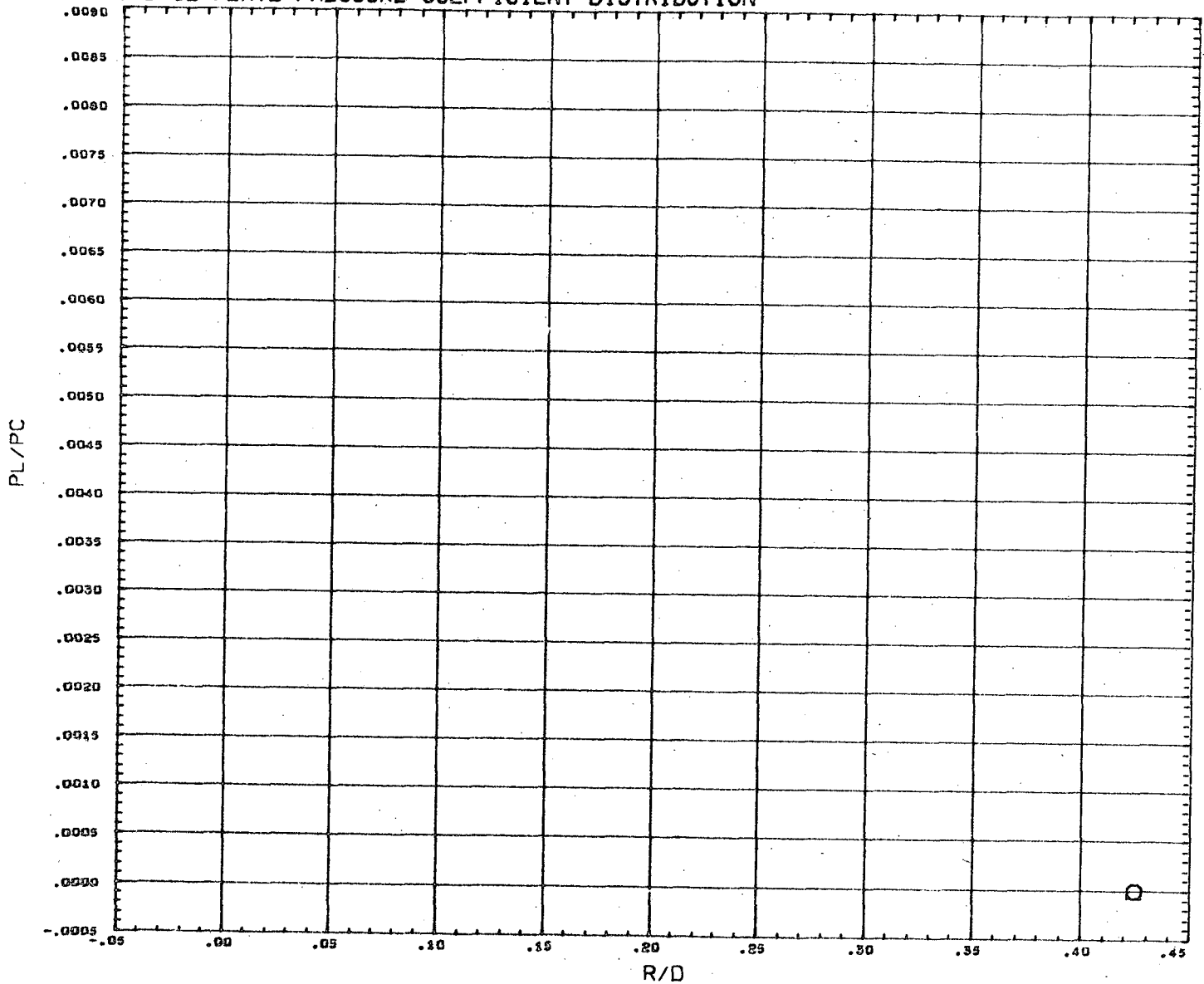


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△	45.000			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	90.000			BREF	27.000	INCHES				
□	135.000			XREF	0.000	DIAMTR				
▽	174.380			YREF	0.000	DIAMTR				
◇	269.000			ZREF	0.000	DIAMTR				
DATA REDUCED FROM CCSD TN-AP-70-449										

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
Q 359.000 600.200 0.095

SREF 572.557 SQ.IN.
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BREF 27.000 INCHES
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YMRP 0.000 DIAMTR
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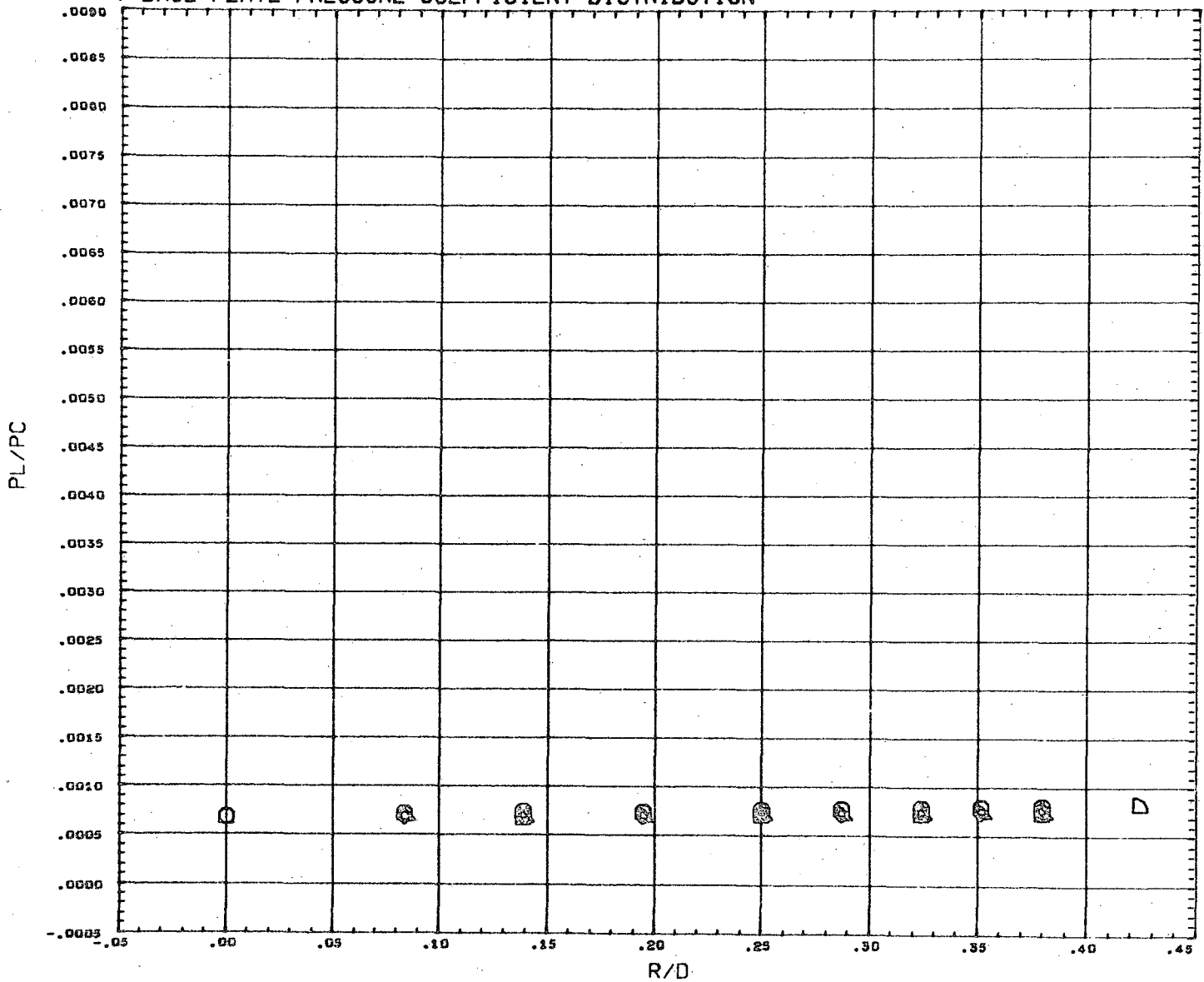
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
PC 494.679 WS/WPC 0.000

00000000.F000E CC00 TM-AP-7D-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

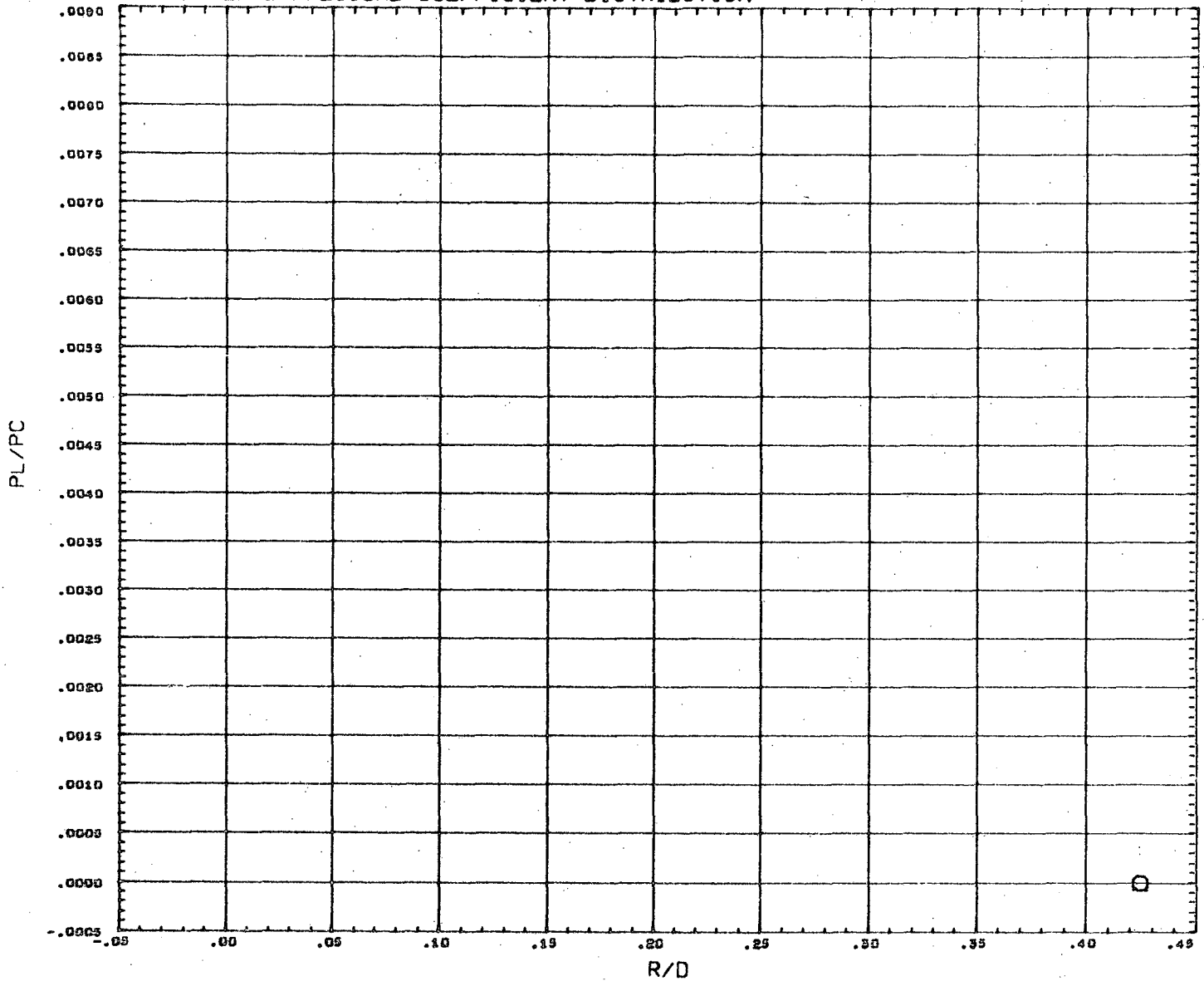


SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SG.IN.	E/DOOR	PARAMETRIC VALUES		
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◇	45.000			BREF	27.000	INCHES		404.679	WS/WPC	0.000
△	90.000			XMRP	0.000	DIAMTR				
□	135.000			YMRP	0.000	DIAMTR				
◇	174.380			ZMRP	0.000	DIAMTR				
◇	269.000	800RB053.FC00E	CC80 TN-AP-70-443							

AECC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 Q 309.000 812.557 0.902

SREF 572.557 58.1N.
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 BREF 27.000 INCHES
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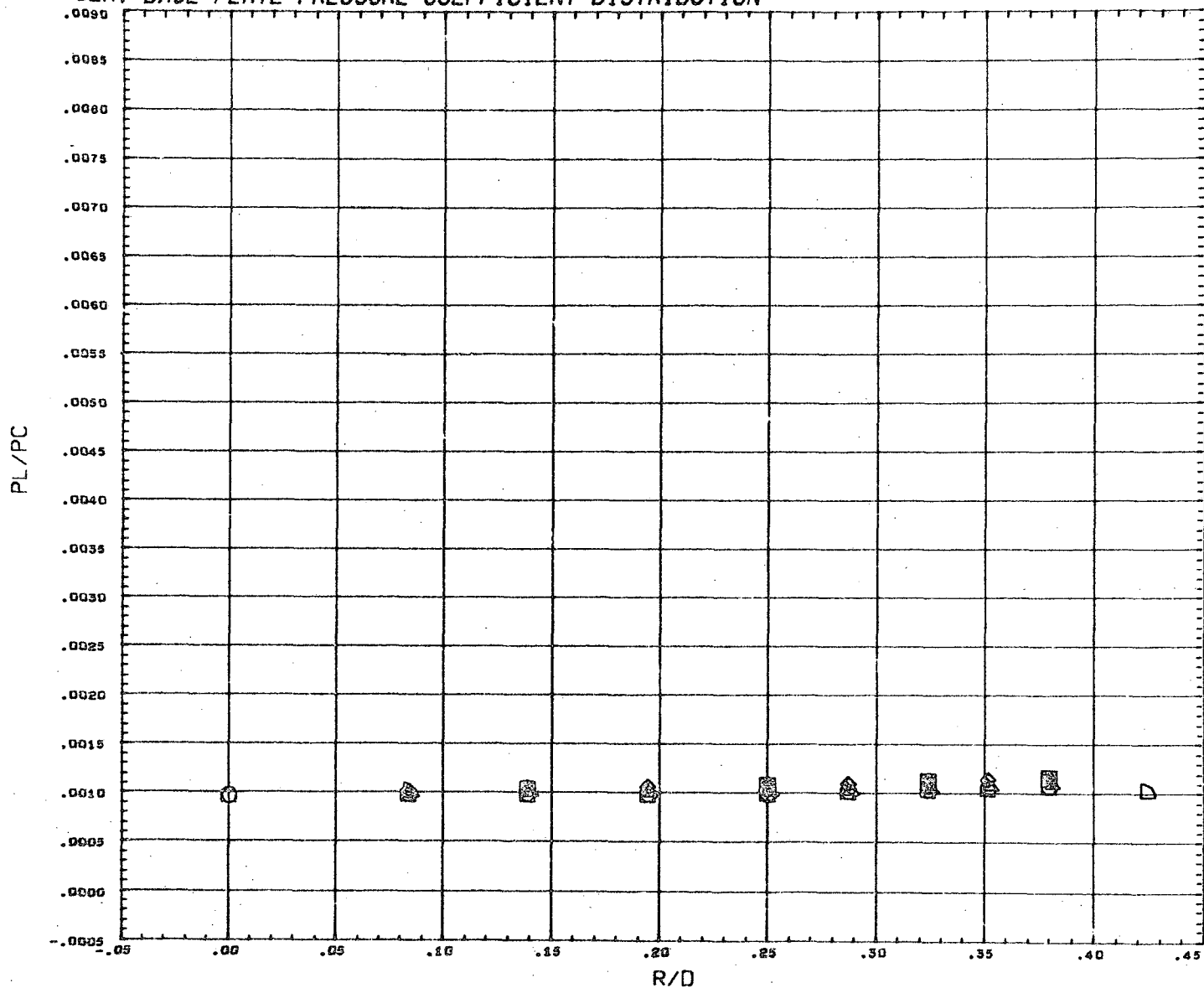
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WPC 0.000

BARBERIDGE.FE63E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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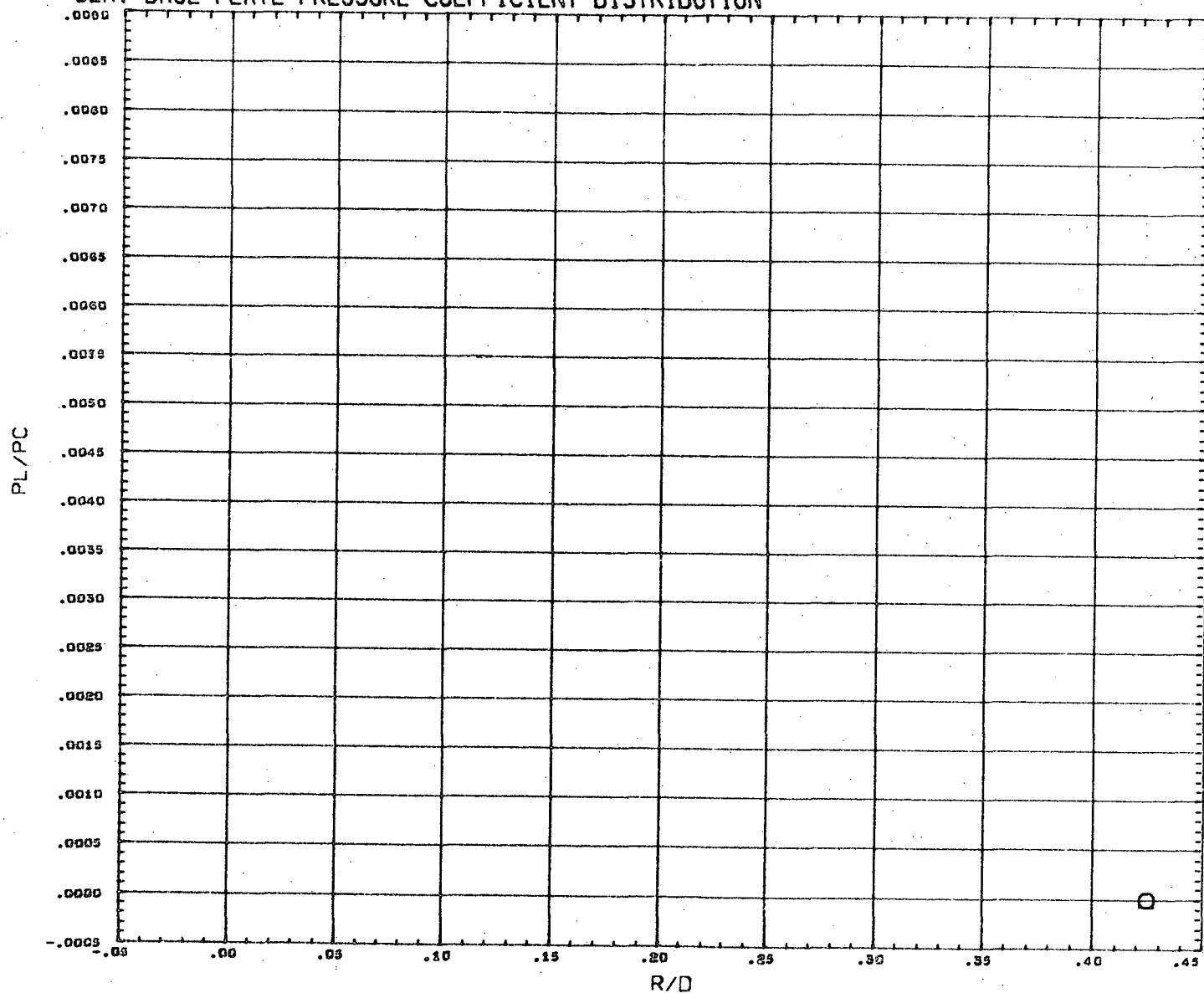
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	SQ.IN.	E/DOOR	PARAMETRIC VALUES	
○	5.620	395.993	1.100	LREF	27.000	INCHES	FC	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	90.000			XMRP	0.000	DIAMTR			
□	135.000			YMRP	0.000	DIAMTR			
▽	174.380			ZMRP	0.000	DIAMTR			
◇	269.000								

0870R036Z.FC05E CCSD TN-AP-70-449

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
○ 309.000 395.993 1.100

SREF 572.557 SQ.IN.
LREF 27.000 INCHES
BREF 27.000 INCHES
XMRP 0.000 DIAMTR
YMRP 0.000 DIAMTR
ZMRP 0.000 DIAMTR

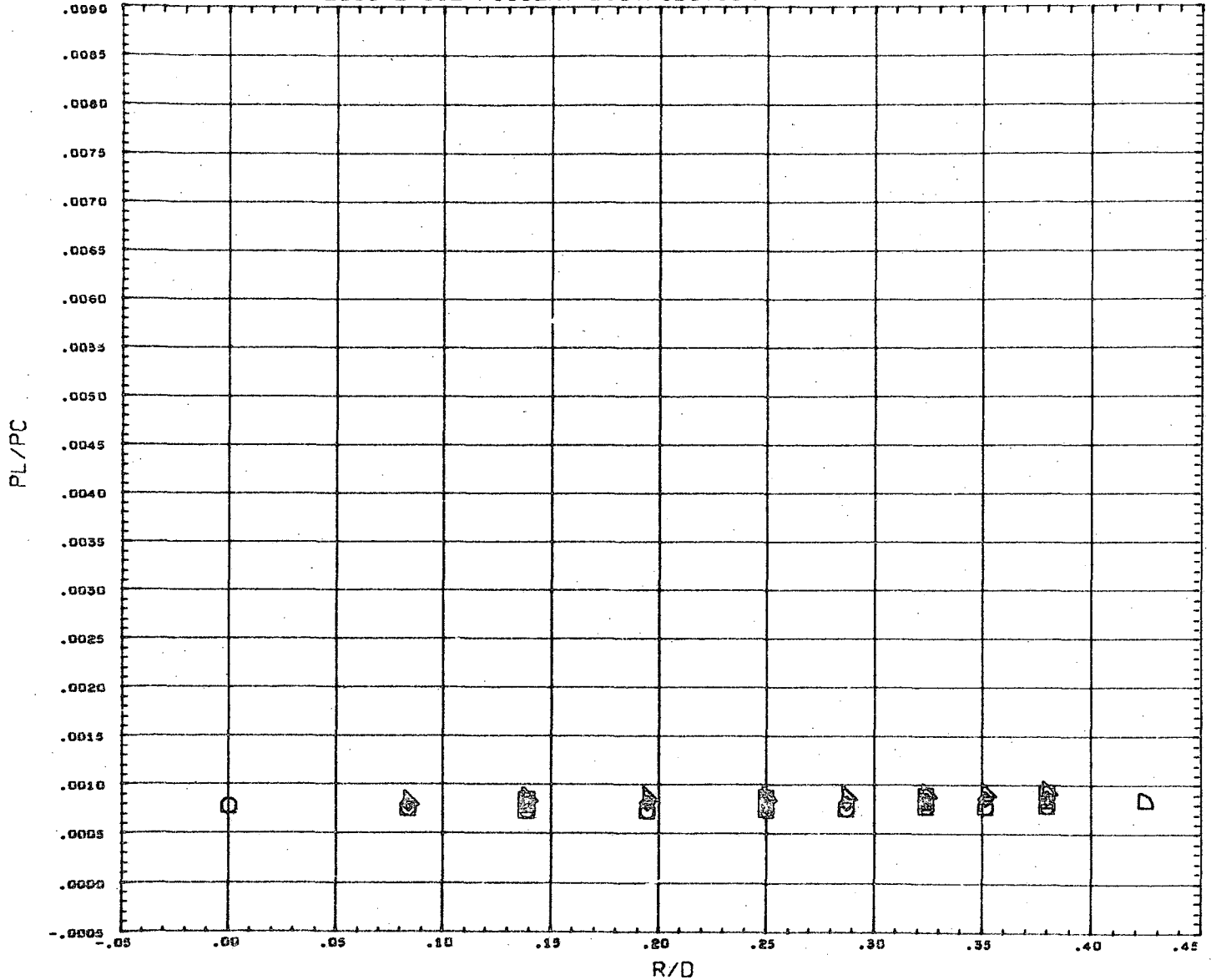
PARAMETRIC VALUES
E/DOOR 0.000 ALPHA 0.004
FC 404.679 WS/WPC 0.000

88888888.F6C3E CCSD TN-AP-79-443

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

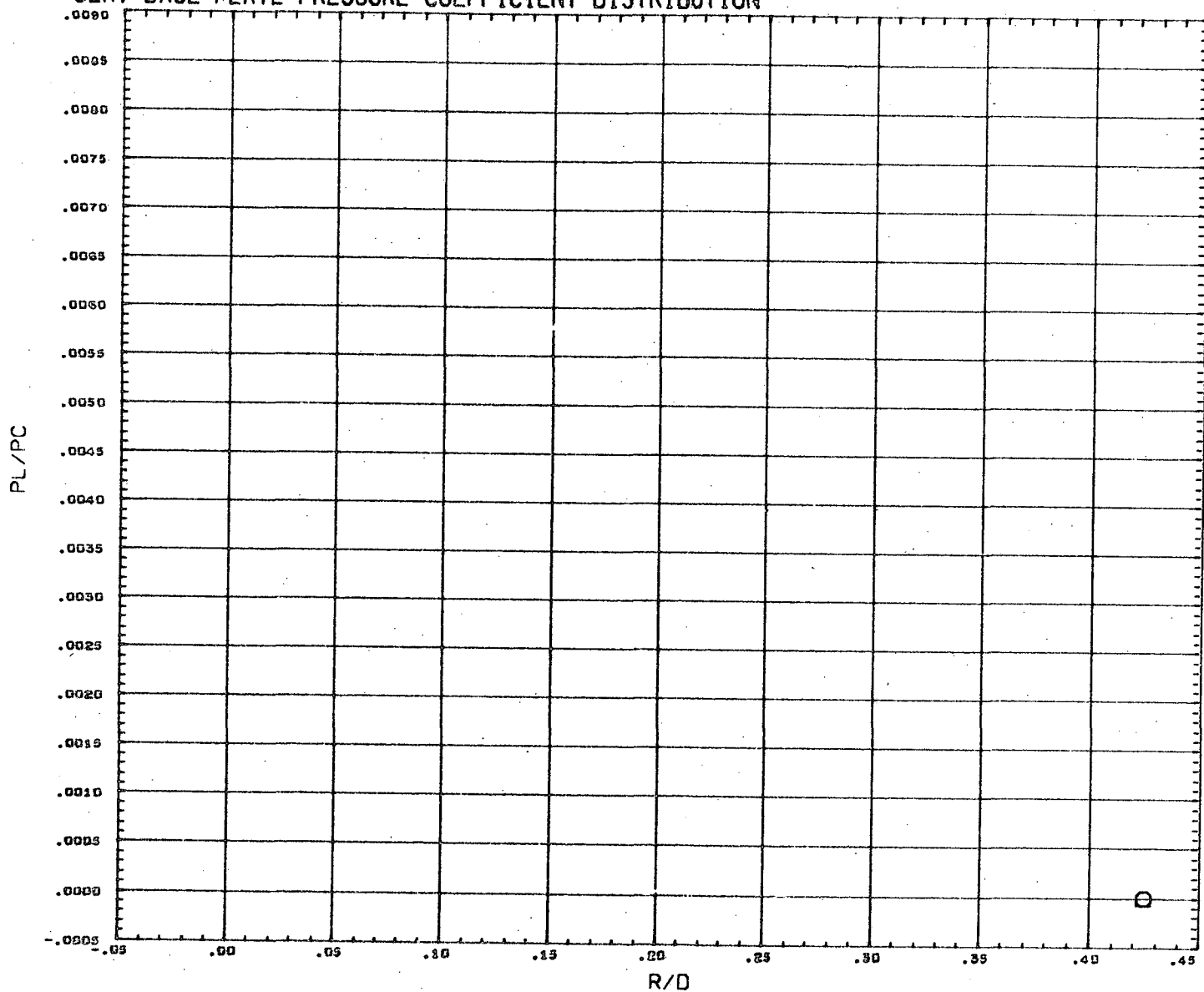
PAGE 656

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
○	5.620	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	45.000			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	90.000			XMRP	0.000	DIAMTR			
◻	135.000			YMRP	0.000	DIAMTR			
◼	174.380			ZMRP	0.000	DIAMTR			
◊	269.000	0.0000000000000000	CC00 TN-AP-70-449						

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 491.380 1.101

SREF 572.557 58.IN.
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 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
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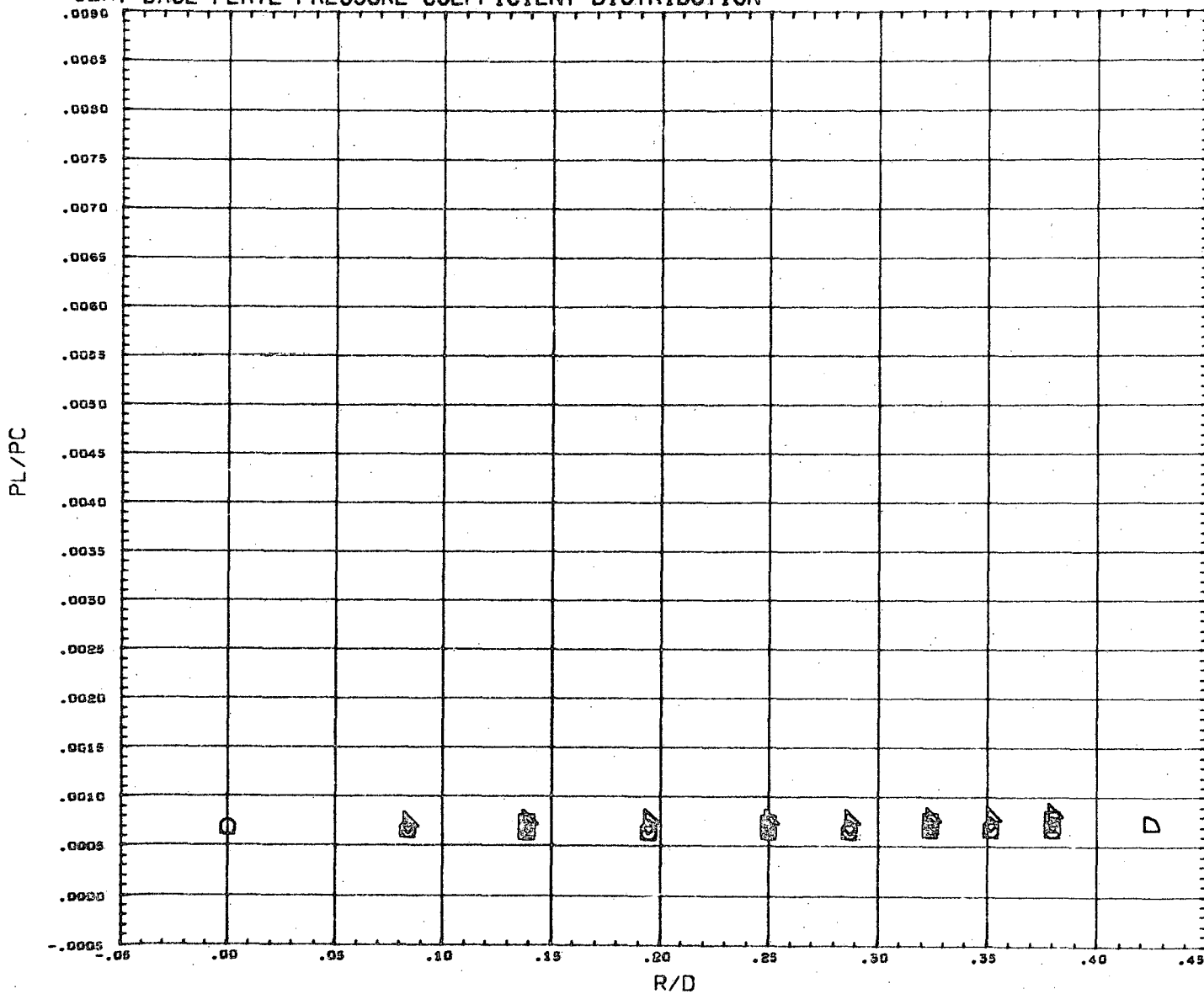
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00000000.FE00E CCSD TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

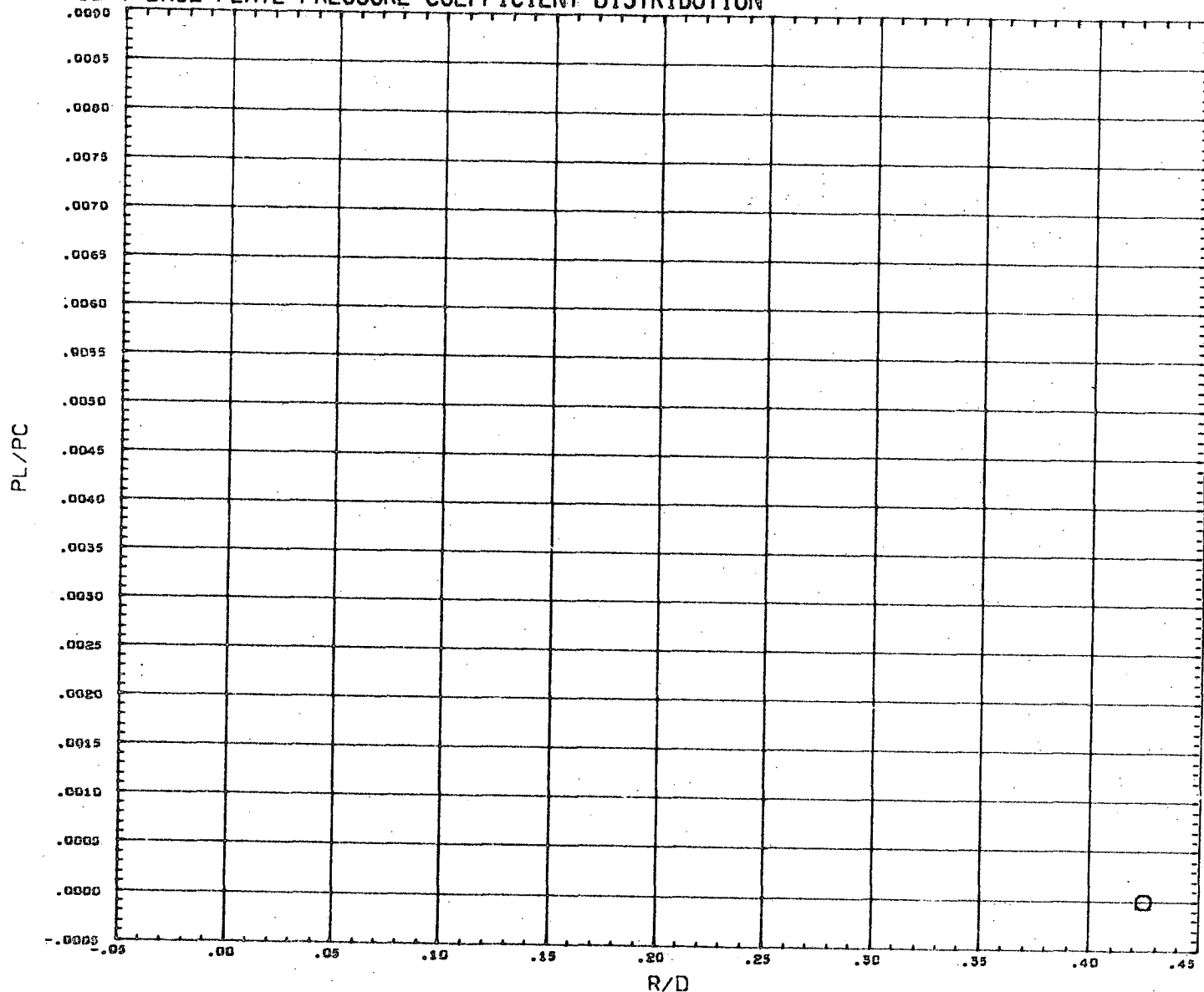
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PL/PC



SYMBOL	THETA	PRATIO	MACH	PARAMETRIC VALUES						
△	5.620	599.127	1.089	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
◇	45.000			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◇	90.000			BREF	27.000	INCHES				
□	135.000			XMRP	0.000	DIAMTR				
□	174.380			YMRP	0.000	DIAMTR				
□	269.000	BARBERSH.F.CSE	CCSD TN-AP-70-445	ZMRP	0.000	DIAMTR				

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 599.127 1.089

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XKRF 0.000 DIAMTR
 YHRF 0.000 DIAMTR
 ZHRF 0.000 DIAMTR

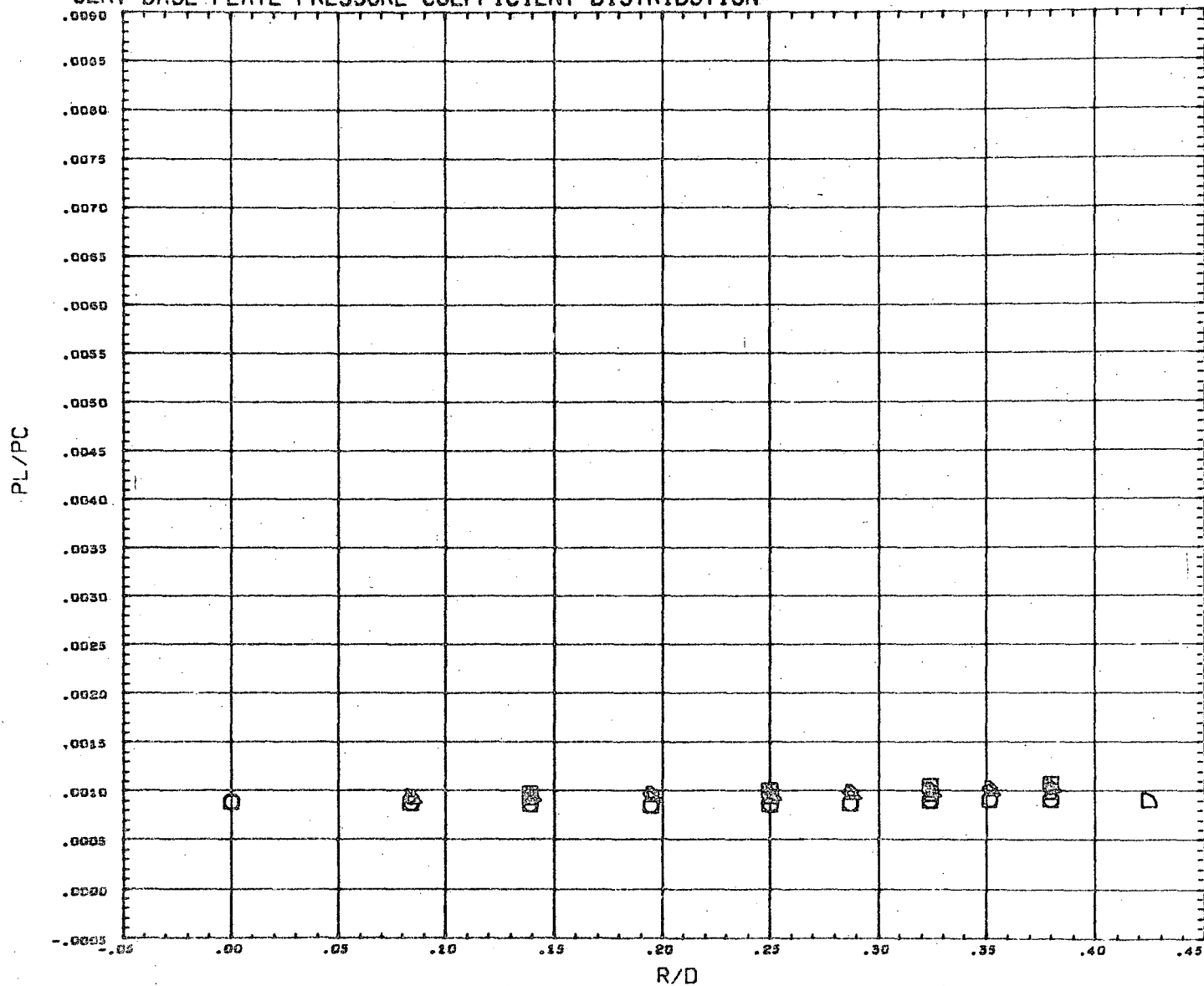
PARAMETRIC VALUES
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 FC 404.679 WS/WPC 0.000

BSR0R906X.FC62E CCSD TN-AP-70-463

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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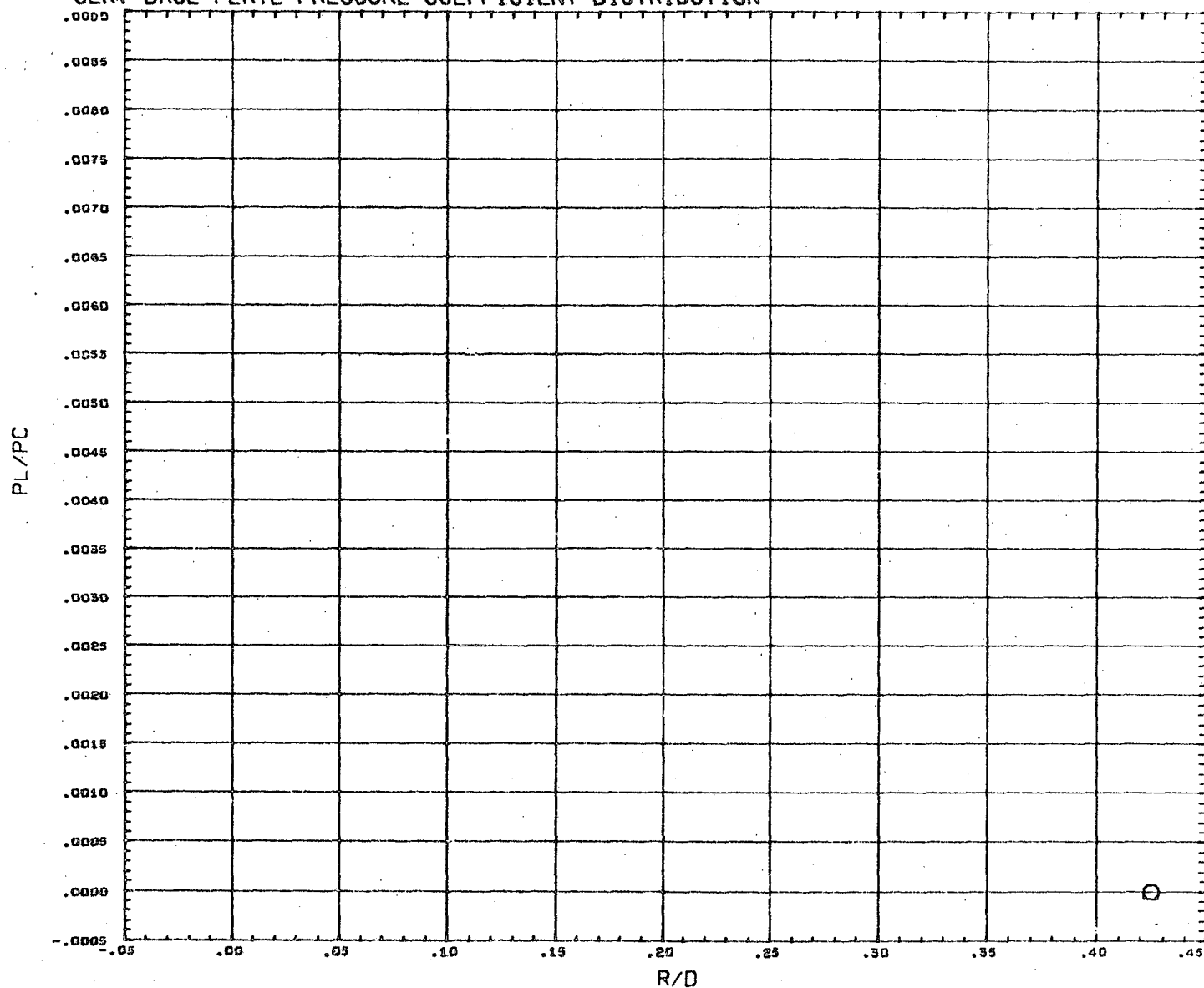
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
○	5.620	406.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◇	45.000			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◊	90.000			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◻	135.000			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◼	174.300			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◻	269.000			27.000	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 406.123 1.254

SREF 572.557 SQ.IN.
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 BREF 27.000 INCHES
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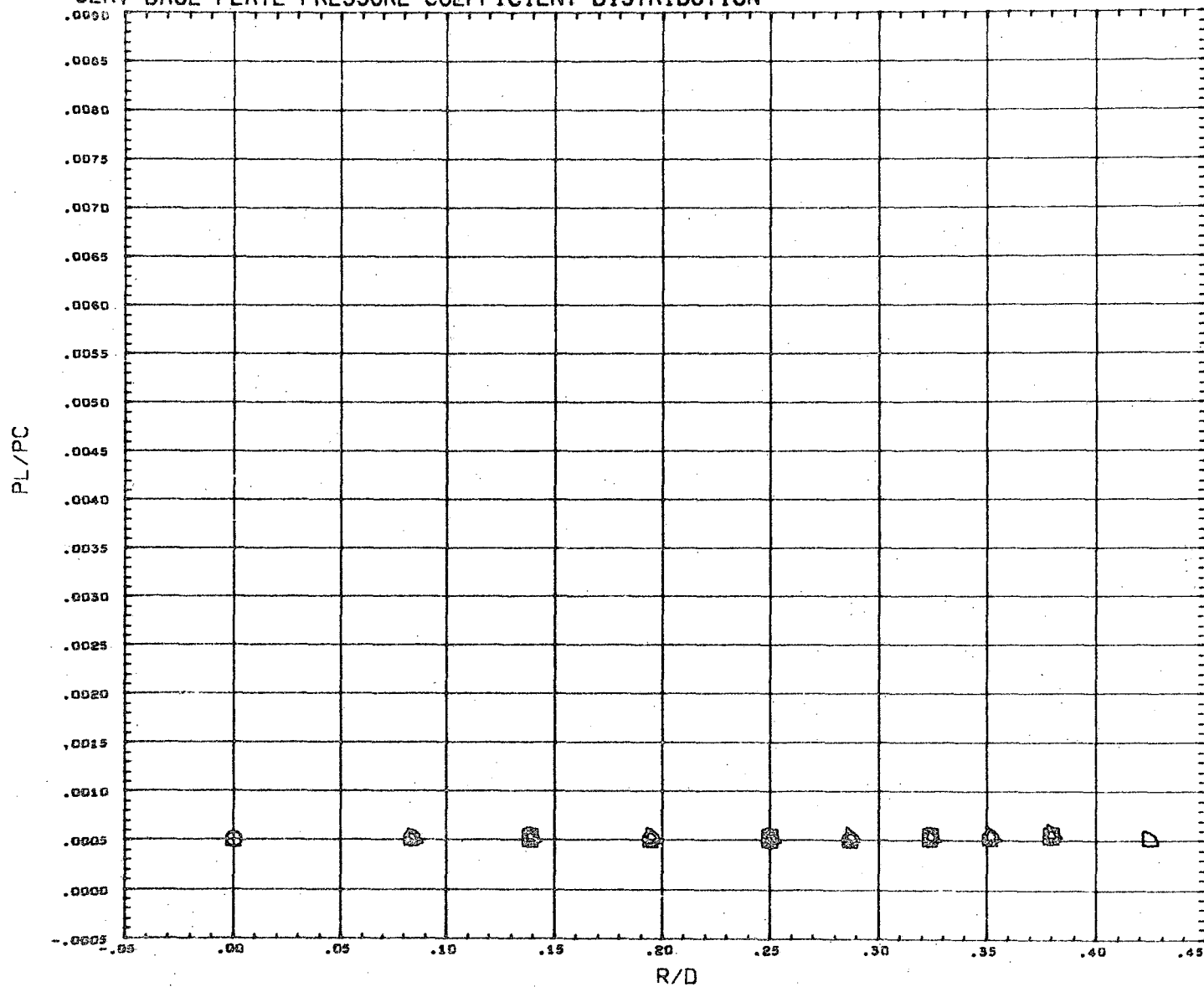
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

DETERMINED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



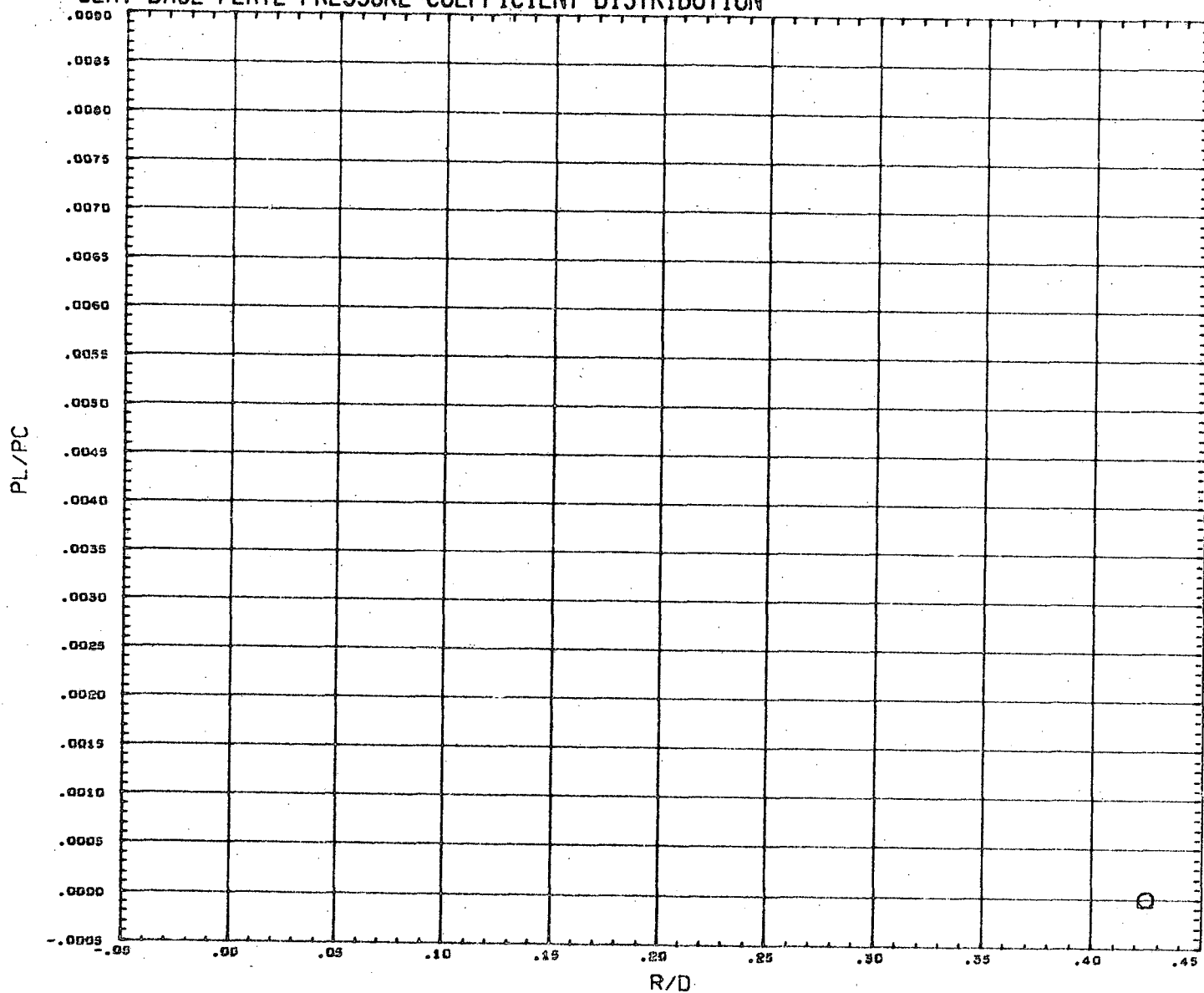
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△	45.000													
◇	90.000													
□	135.000													
▤	174.300													
▥	269.000													

00000000.FECEE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 751.932 1.251

SREF 572.557 50.IN.
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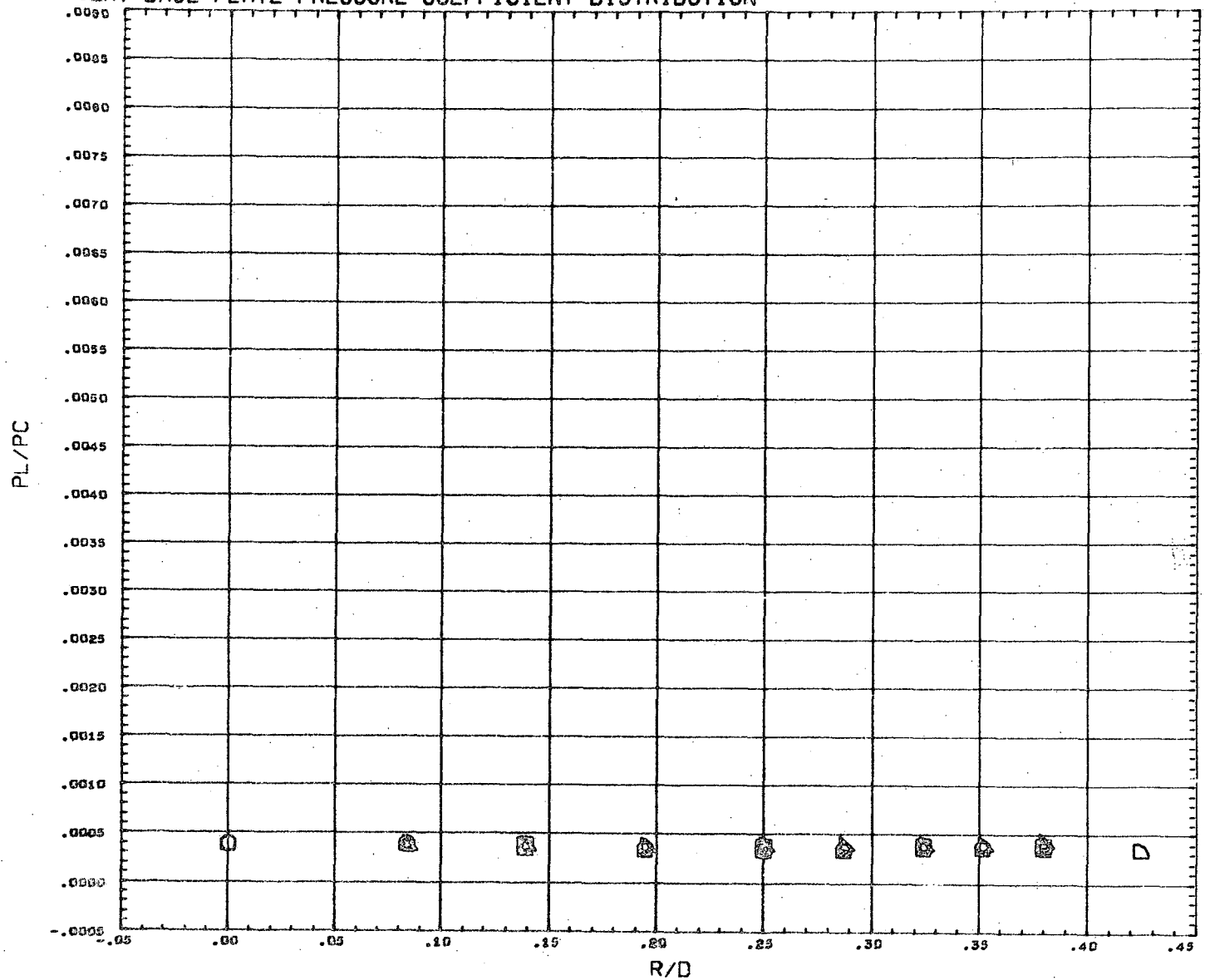
PARAMETRIC VALUES
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 PC 404.679 WS/WPC 0.000

DATA SOURCE: FLOE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



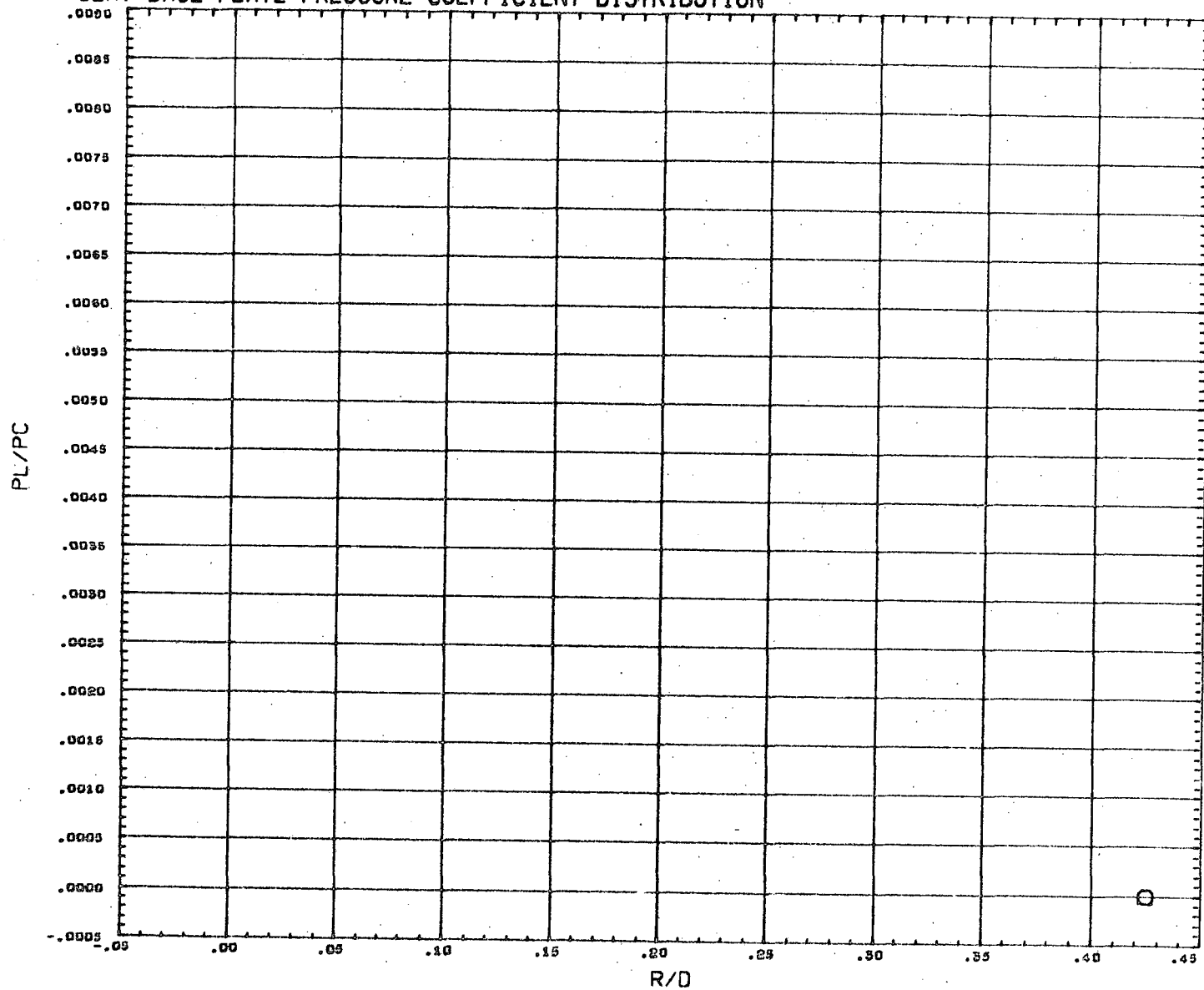
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△	45.000									PC 404.679 WS/WPC 0.000
◇	90.000									
◻	135.000									
◼	170.000									
◻	269.000									

CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIC MACH
 ○ 309.000 831.960 1.248

SREF 572.557 SQ.IN.
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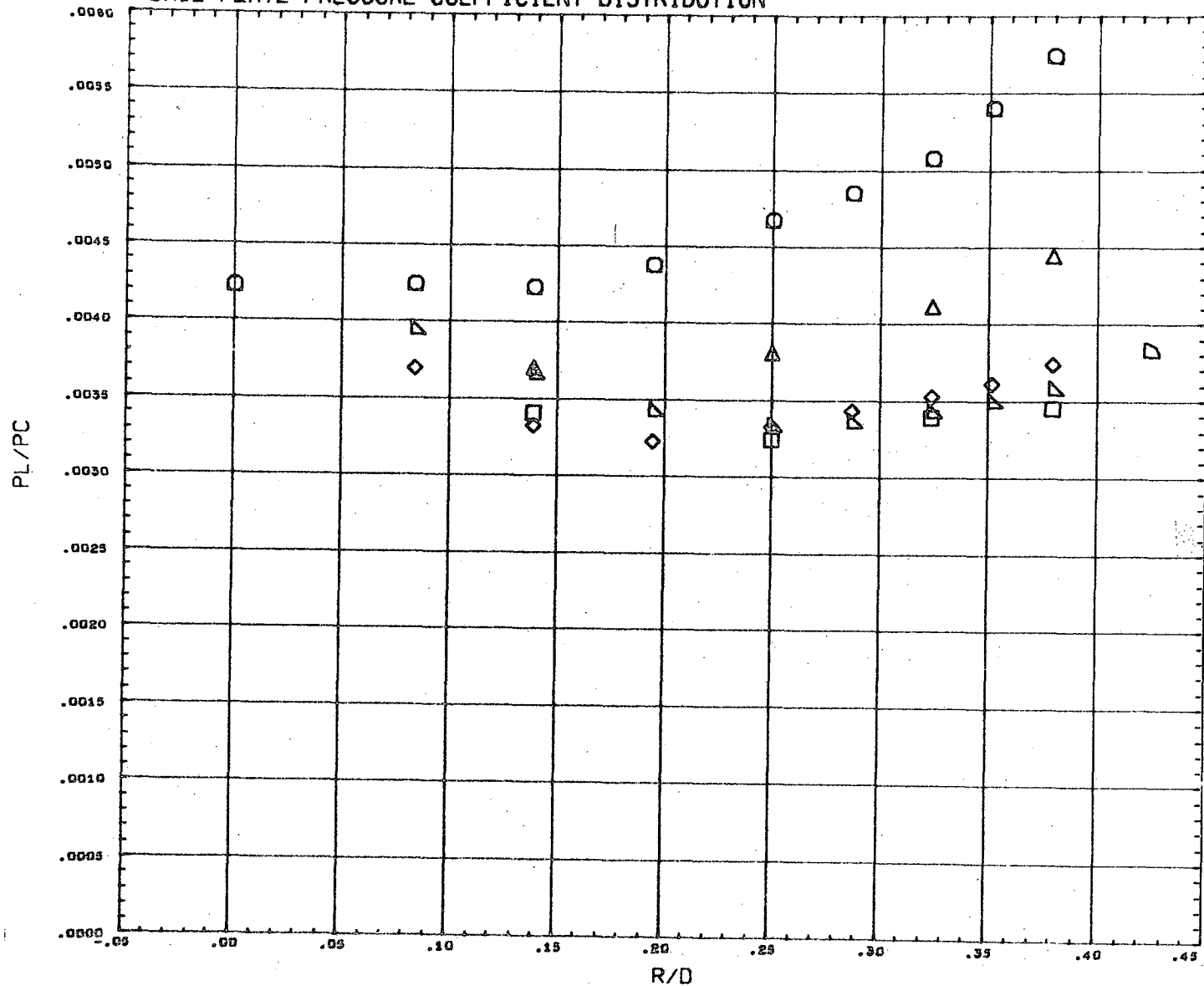
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 PC 404.679 WS/WPC 0.000

08708960.FSC0E CC03 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7540)

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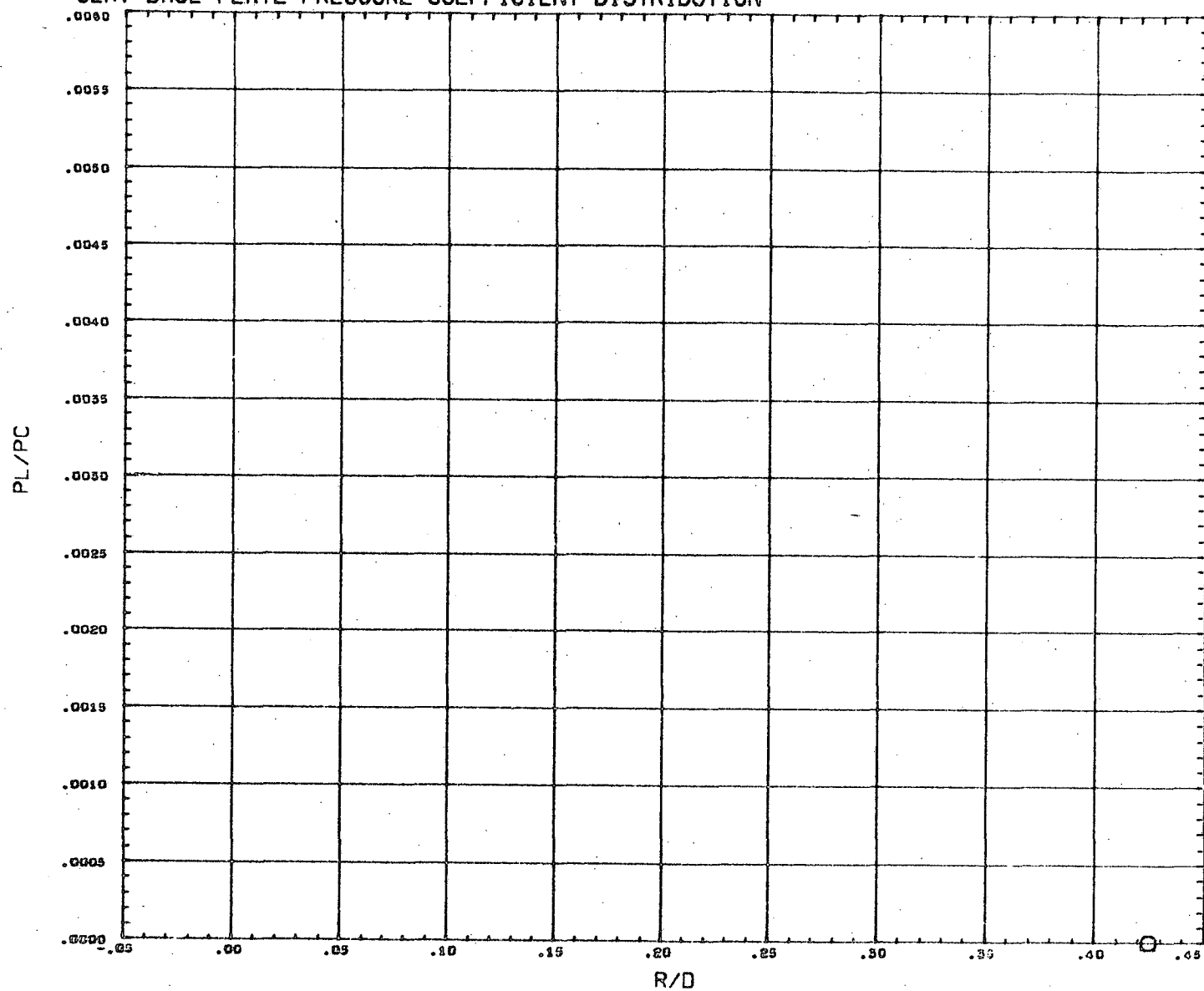
SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XNRF	YNRF	ZNRF	PARAMETRIC VALUES
○	5.620	202.083	0.599	572.597	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 8.022
△	43.000			58.000	27.000	27.000	0.000	0.000	0.000	FC 402.996 WS/WPC 0.000
◇	90.000									
□	135.000									
×	174.380									
+	209.000									

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA FRATIO MACH
 O 309.000 202.083 0.599

SREF 572.557 58.1N.
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 BREF 27.000 INCHES
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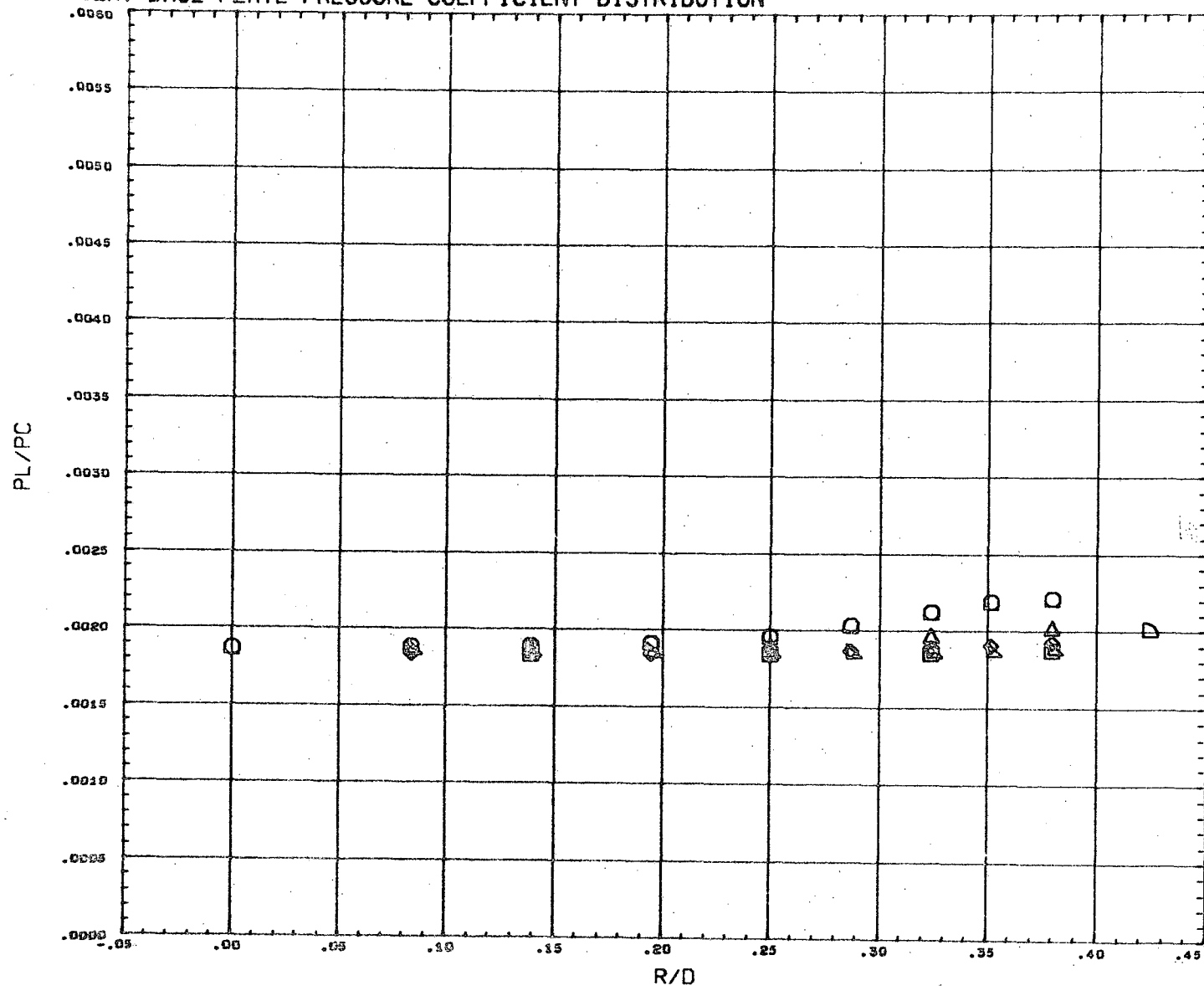
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 PC 402.996 WS/WPC 0.000

0070000000.F000E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION

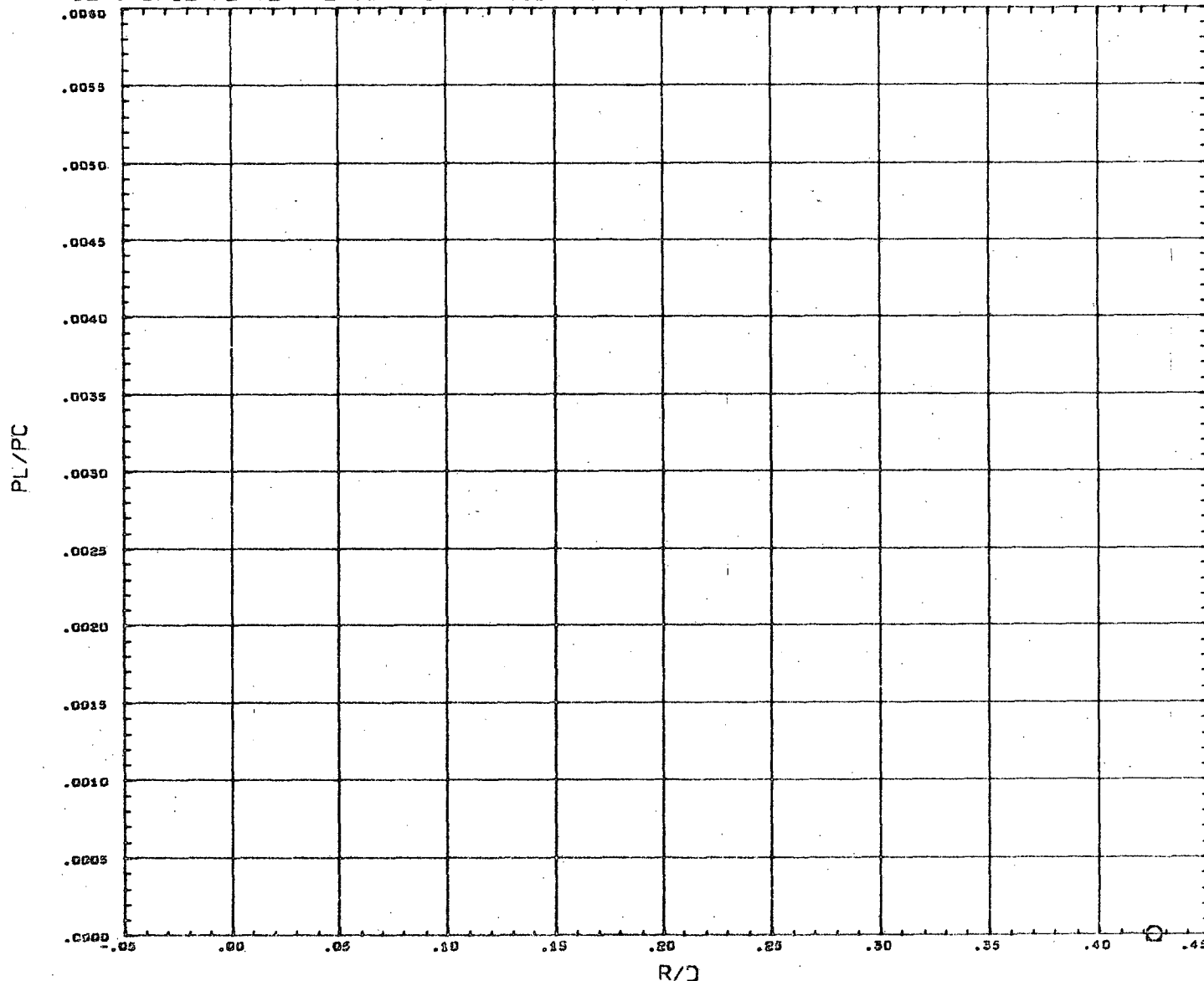


SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES		
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△	45.000			BREF	27.000	INCHES		402.996	WS/WPC	0.000
□	90.000			XMRP	0.000	DIAMTR				
◇	135.000			YMRP	0.000	DIAMTR				
▽	174.380			ZMRP	0.000	DIAMTR				
⬢	269.000									

CCSD TN-AP-70-445

AEOC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 299.500 0.001

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XHRP 0.000 DIAMTR
 YHRP 0.000 DIAMTR
 ZHRP 0.000 DIAMTR

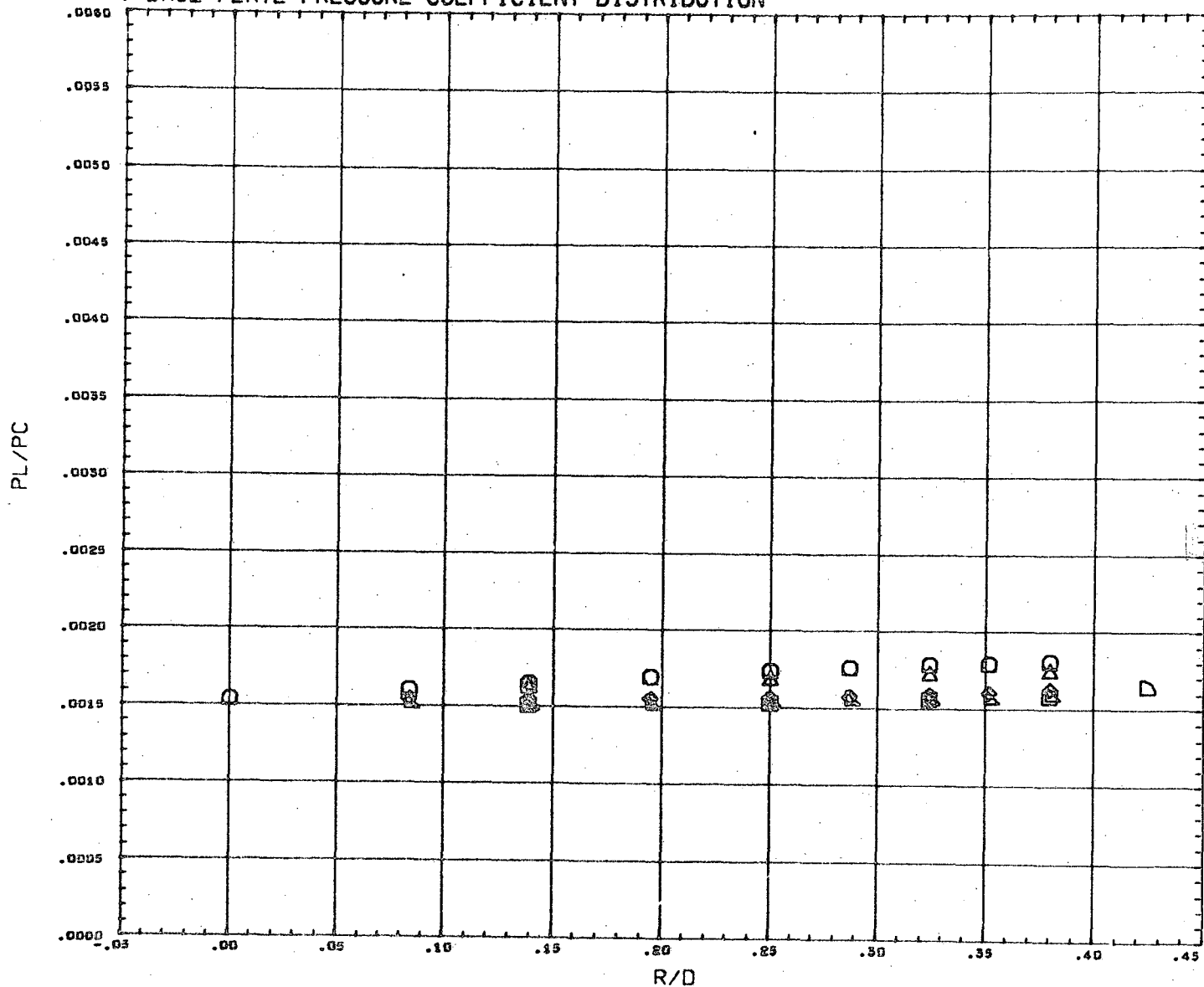
PARAMETRIC VALUES
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 PC 402.996 WS/WPC 0.000

00000000.F000E CC00 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



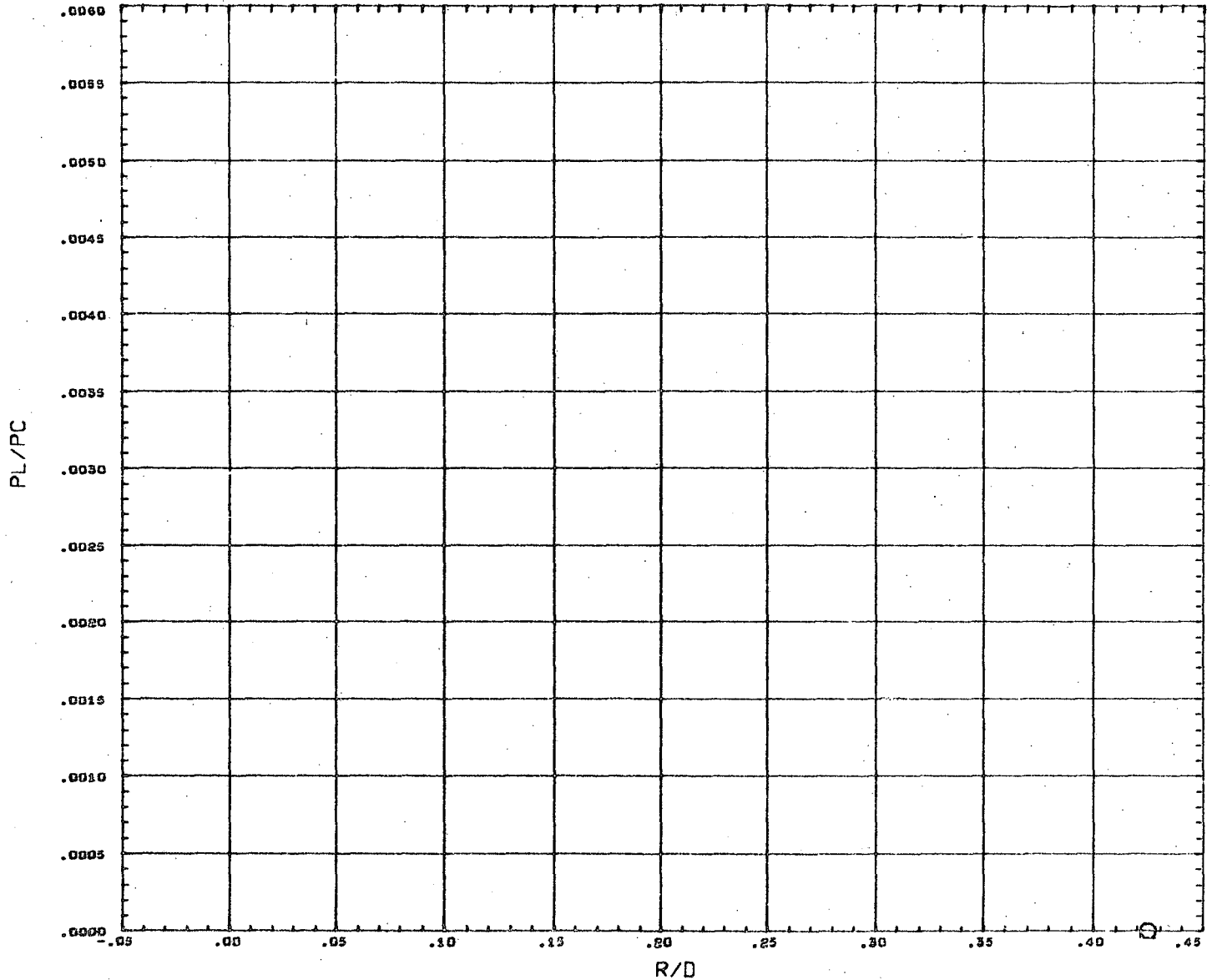
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◇	90.000			XMRP	0.000	DIAMTR		
□	135.000			YMRP	0.000	DIAMTR		
▤	174.330			ZMRP	0.000	DIAMTR		
◻	252.000							

88788888.F002E CC80 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



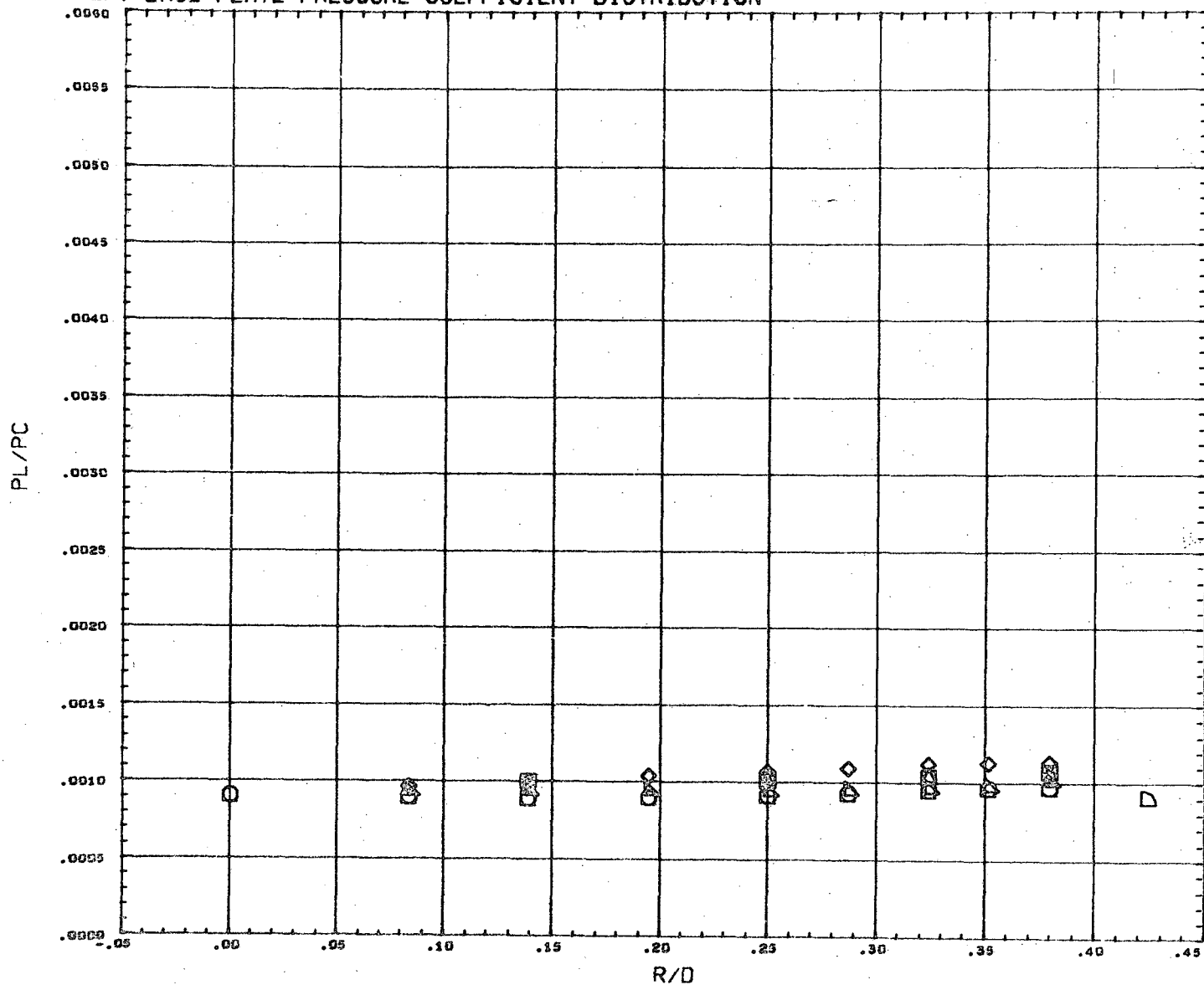
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				BREF	27.000	INCHES				
				XMRP	0.000	DIANTR				
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BOHRODGG.F000E CC00 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



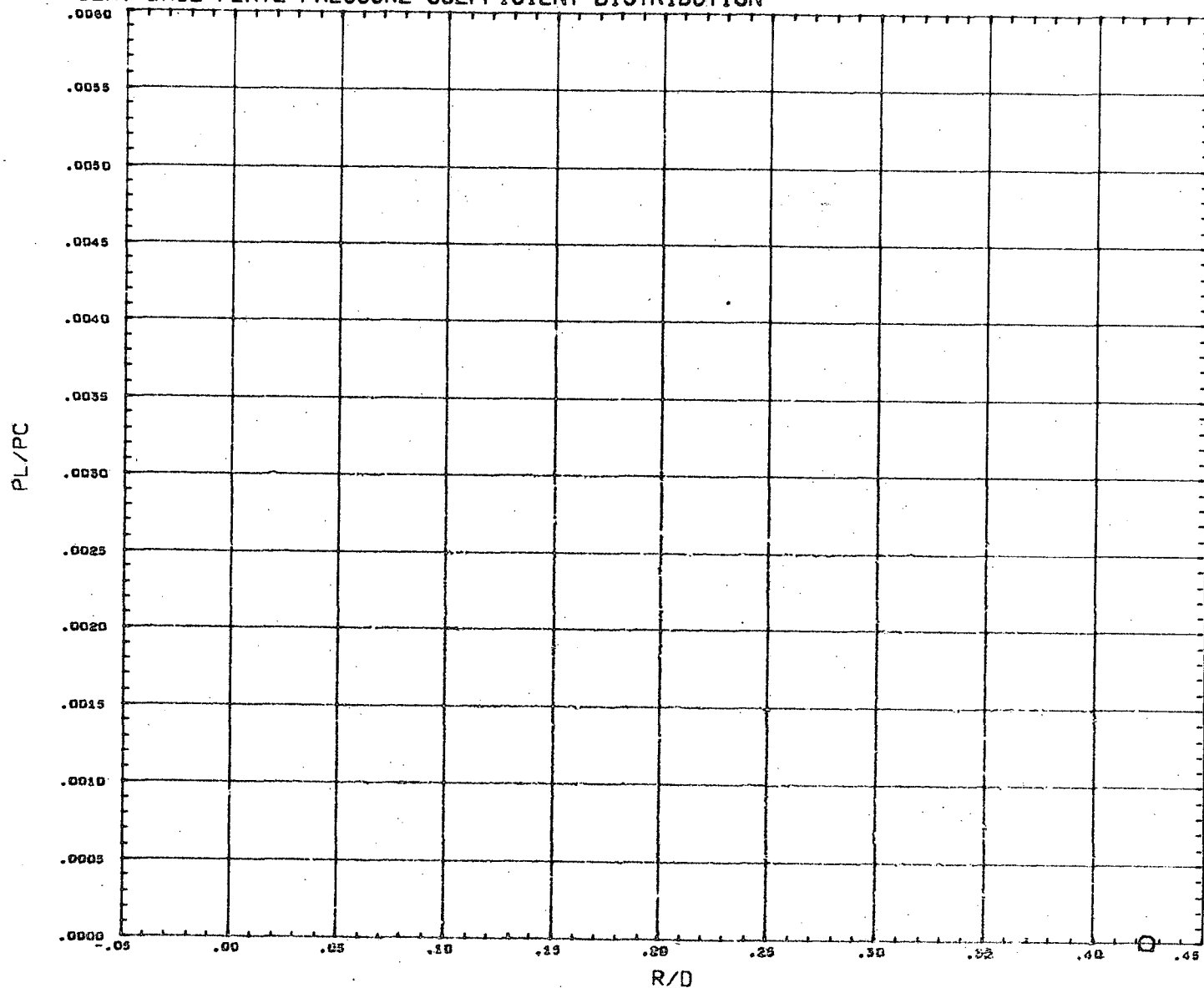
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○	5.620	402.407	1.100	LREF	27.000	INCHES	PC	0.000	WS/WFC	0.000
△	45.000			BREF	27.000	INCHES				
◇	90.000			XREF	0.000	DIAMTR				
□	135.000			YREF	0.000	DIAMTR				
▽	174.380			ZREF	0.000	DIAMTR				
◇	269.000									

DATA SOURCE: FIGURE CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 402.407 1.100

SREF 572.557 SQ. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XREF 0.000 DIAMTR
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 ZREF 0.000 DIAMTR

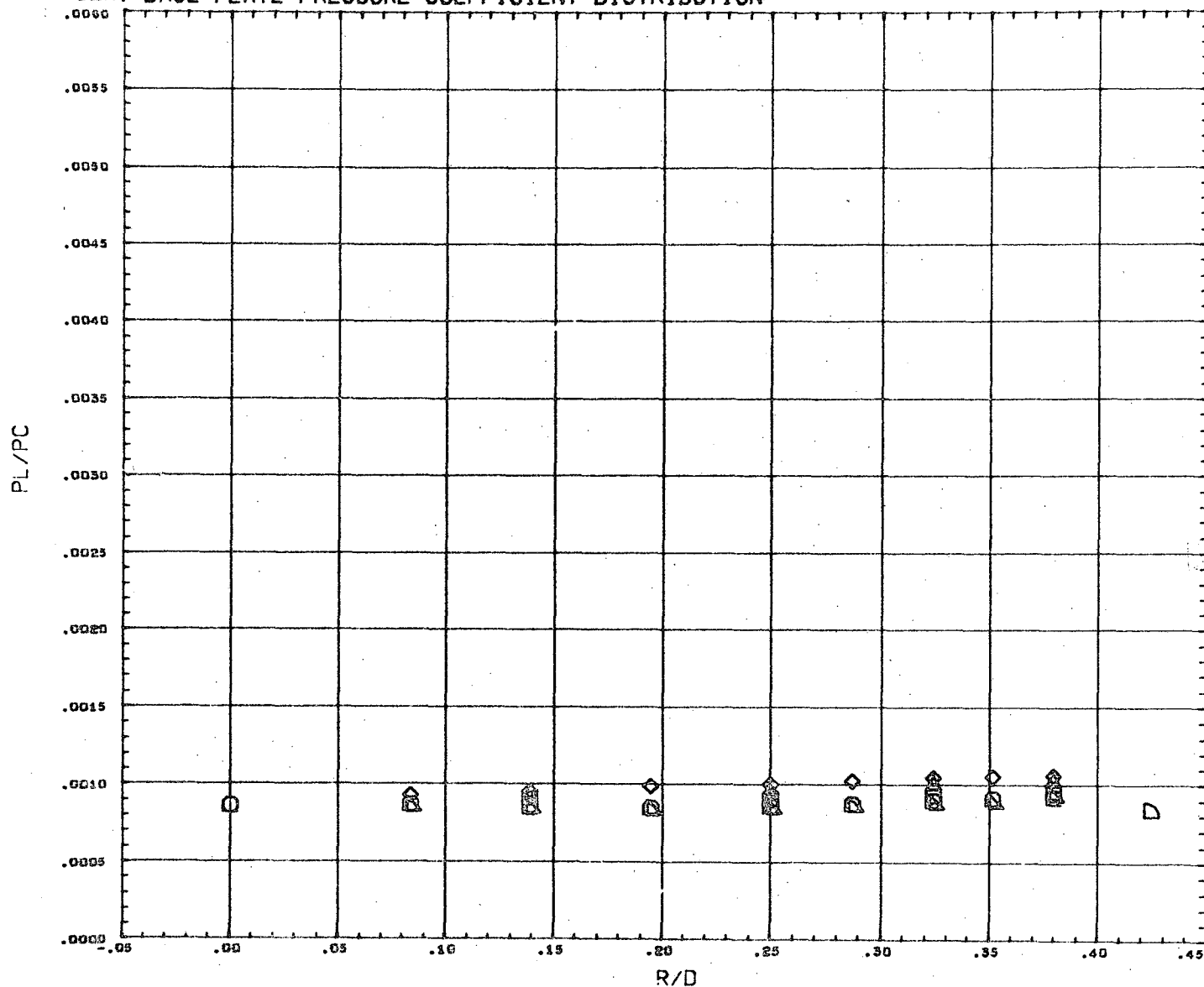
PARAMETRIC VALUES
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 PC 402.996 WS/WFC 0.000

00000000.F000E CCSD TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



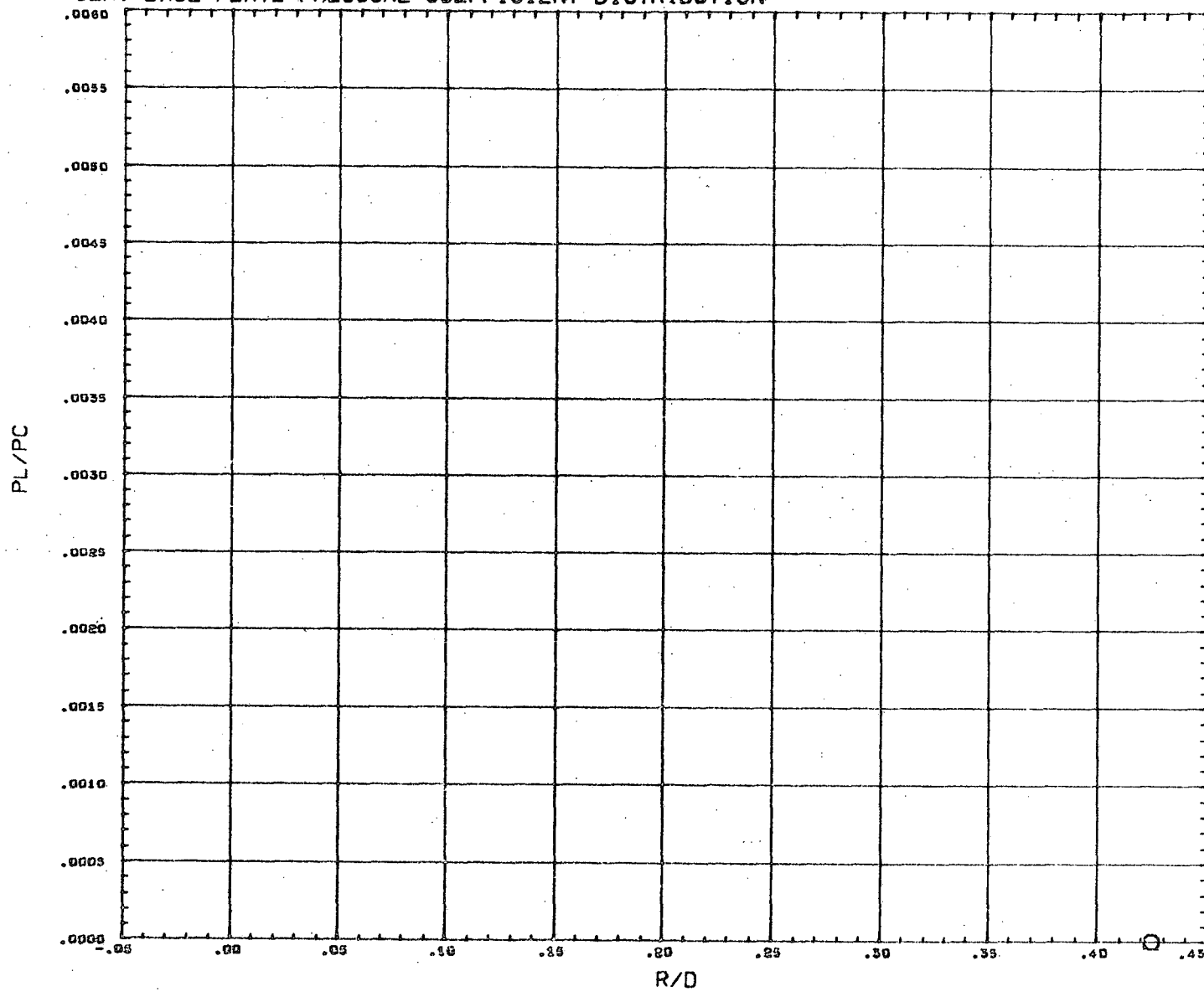
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○	5.620	400.737	1.253	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	8.022	0.000
△	45.000			27.000	INCHES	INCHES	0.000	0.000	0.000					
◇	90.000			27.000	INCHES	INCHES	0.000	0.000	0.000					
□	135.000			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000					
▤	179.390			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000					
⊠	229.000			0.000	DIAMTR	DIAMTR	0.000	0.000	0.000					

0871R0003.F003E CC80 TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV BASE PLATE PRESSURE COEFFICIENT DISTRIBUTION



SYMBOL THETA PRATIO MACH
 O 309.000 400.737 1.253

SREF 572.557 SQ.IN.
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 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
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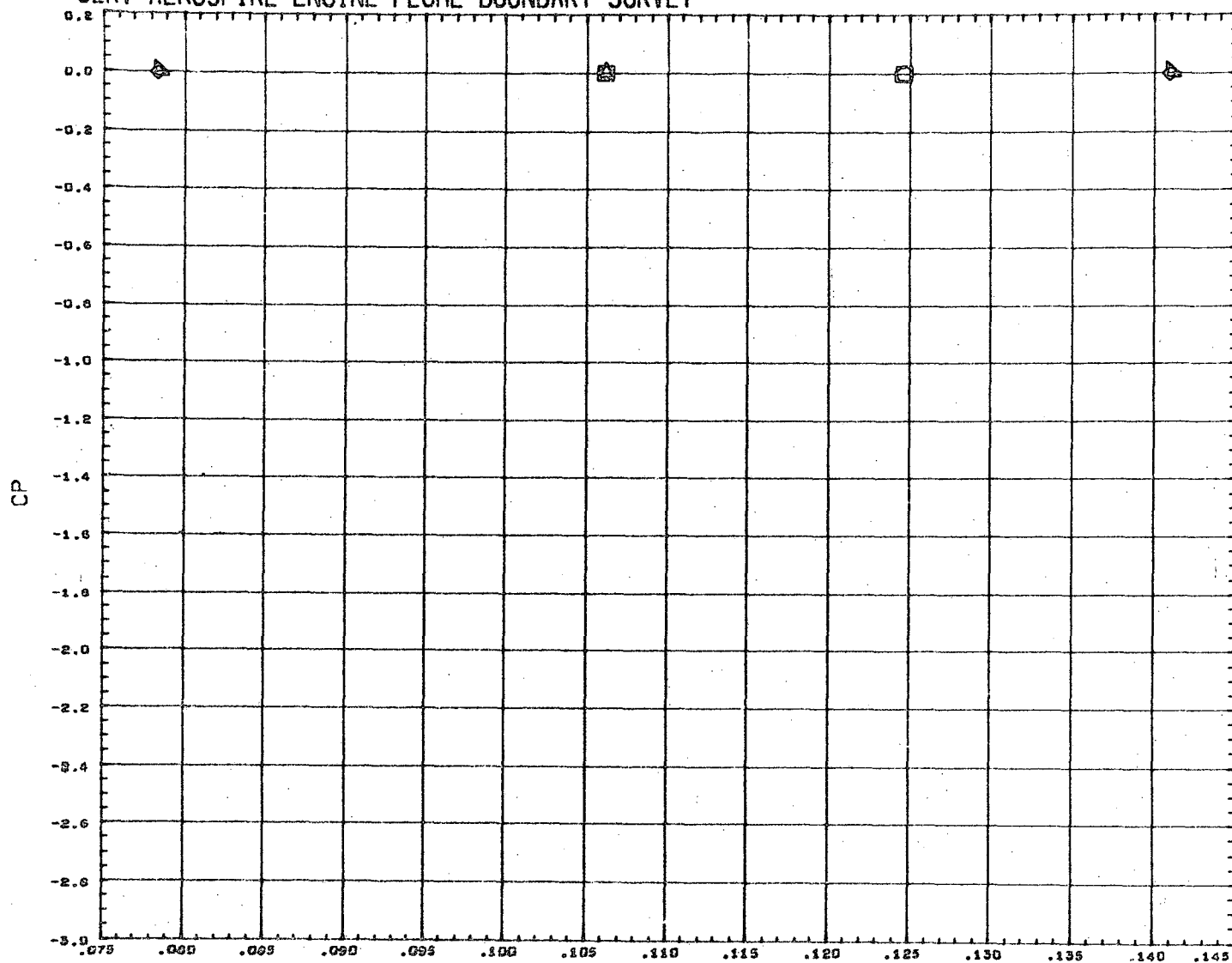
PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 8.022
 PC 402.996 WS/WFC 0.000

DATA REDUCED FROM CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) A/SPIKE BASE (CT7548)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

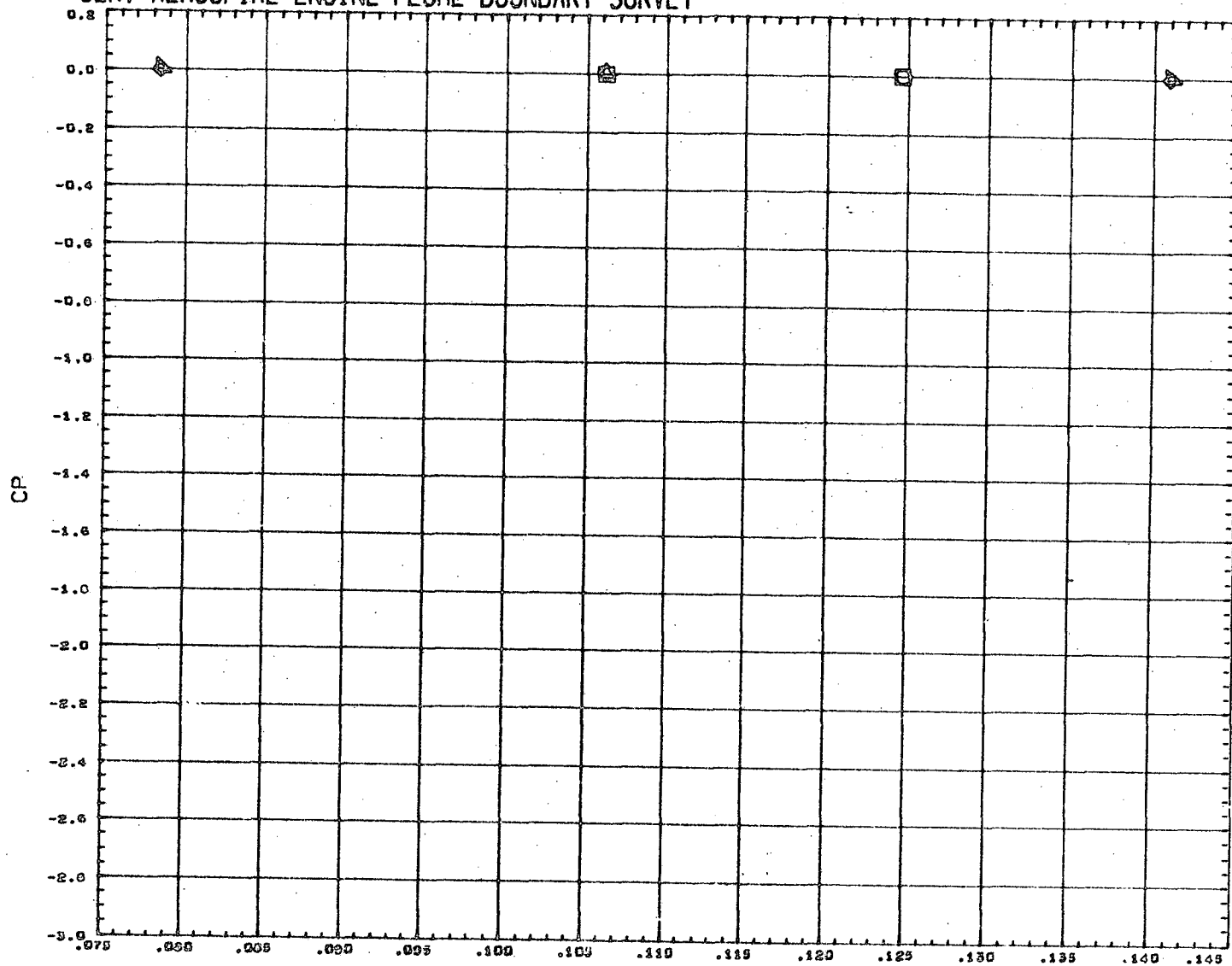
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◇	75.730											WS/WPC 0.000
□	72.000											
◻	120.730											
◻	125.000											

DIVERGENCE FACE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



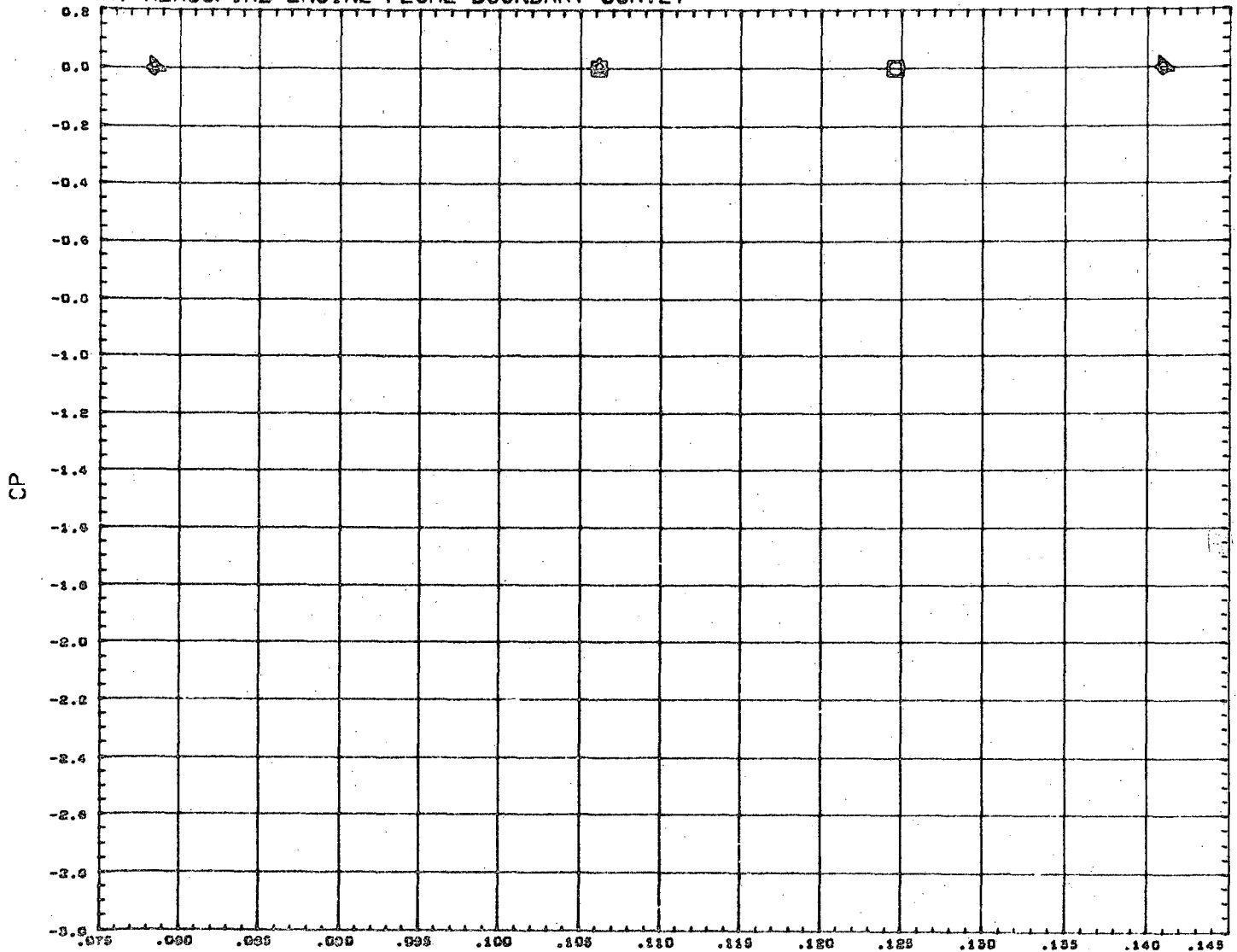
				X/D						
SYMBOL	THETA	PRATIO	MACH			PARAMETRIC VALUES				
△	45.730	151.083	0.099	SREF	572.557	58.1N.	E/DOOR	0.000	ALPHA	0.004
◇	75.730			LREF	27.000	INCHES				
◇	76.000			BREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
□	120.730			XMRP	0.000	CIAMTR				
□	123.000			YMRP	0.000	CIAMTR				
△				ZMRP	0.000	CIAMTR				

08708B008.F6C02E CCSD TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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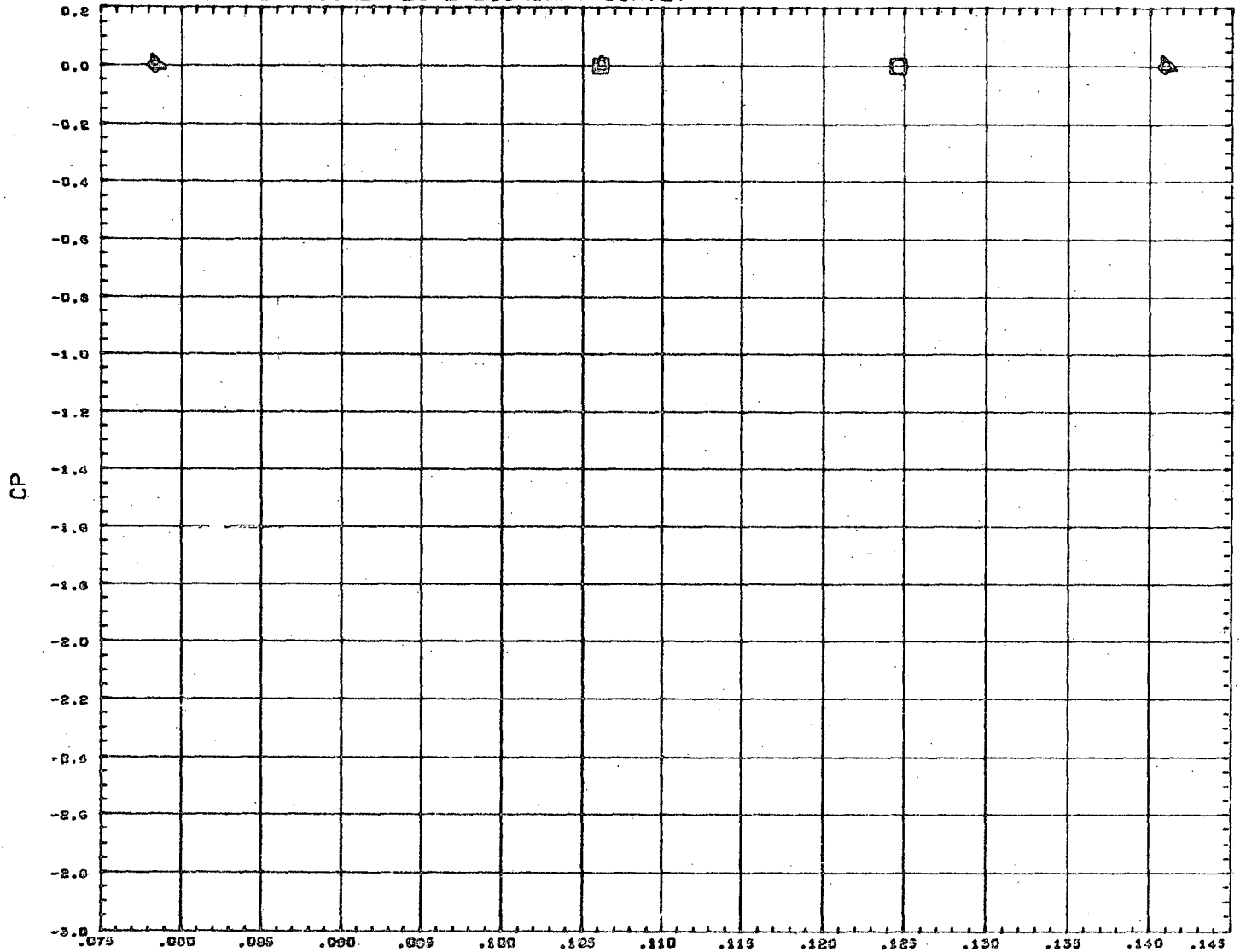
SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES		
◇	45.730	200.173	0.056	572.557	50. IN.	27.000	INCHES	0.000	DIAMTR	0.000	ALPHA	0.004		
□	75.730			27.000	INCHES	0.000	DIAMTR	0.000	DIAMTR	404.679	WS/WPC	0.000		
△	79.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR					
◇	120.730			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR					
□	123.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR					

88788888.FE05E CCSD TN-AP-70-048

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



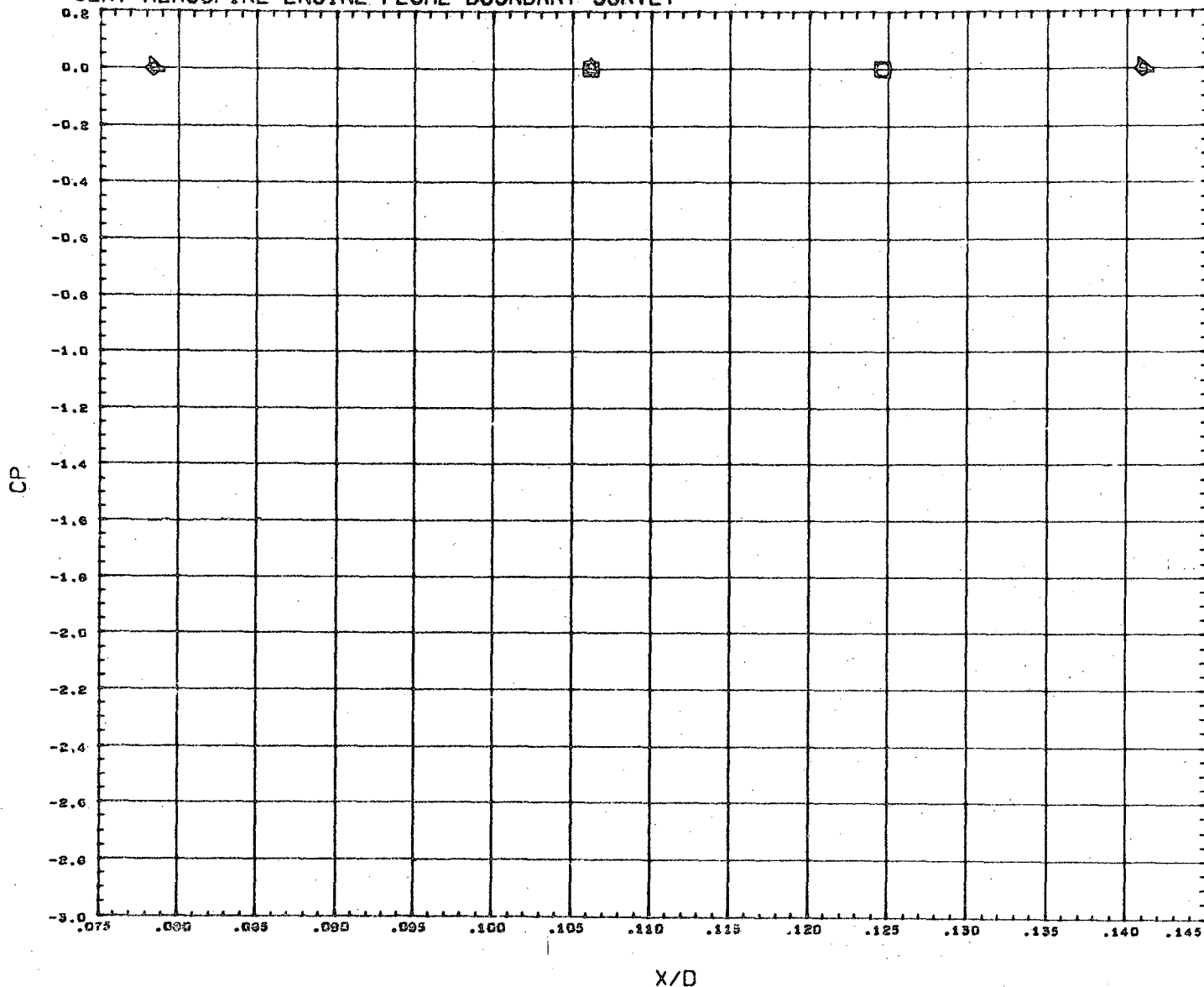
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○	45.730	304.463	0.074	LREF	27.000	INCHES	PC	0.000	ALPHA
△	75.730			BREF	27.000	INCHES		404.679	WS/WPC
◇	70.000			XMRP	0.000	DIAMTR			0.000
□	120.730			YMRP	0.000	DIAMTR			
◻	123.000			ZMRP	0.000	DIAMTR			

DATA OBJECT.F600E CCSD TH-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



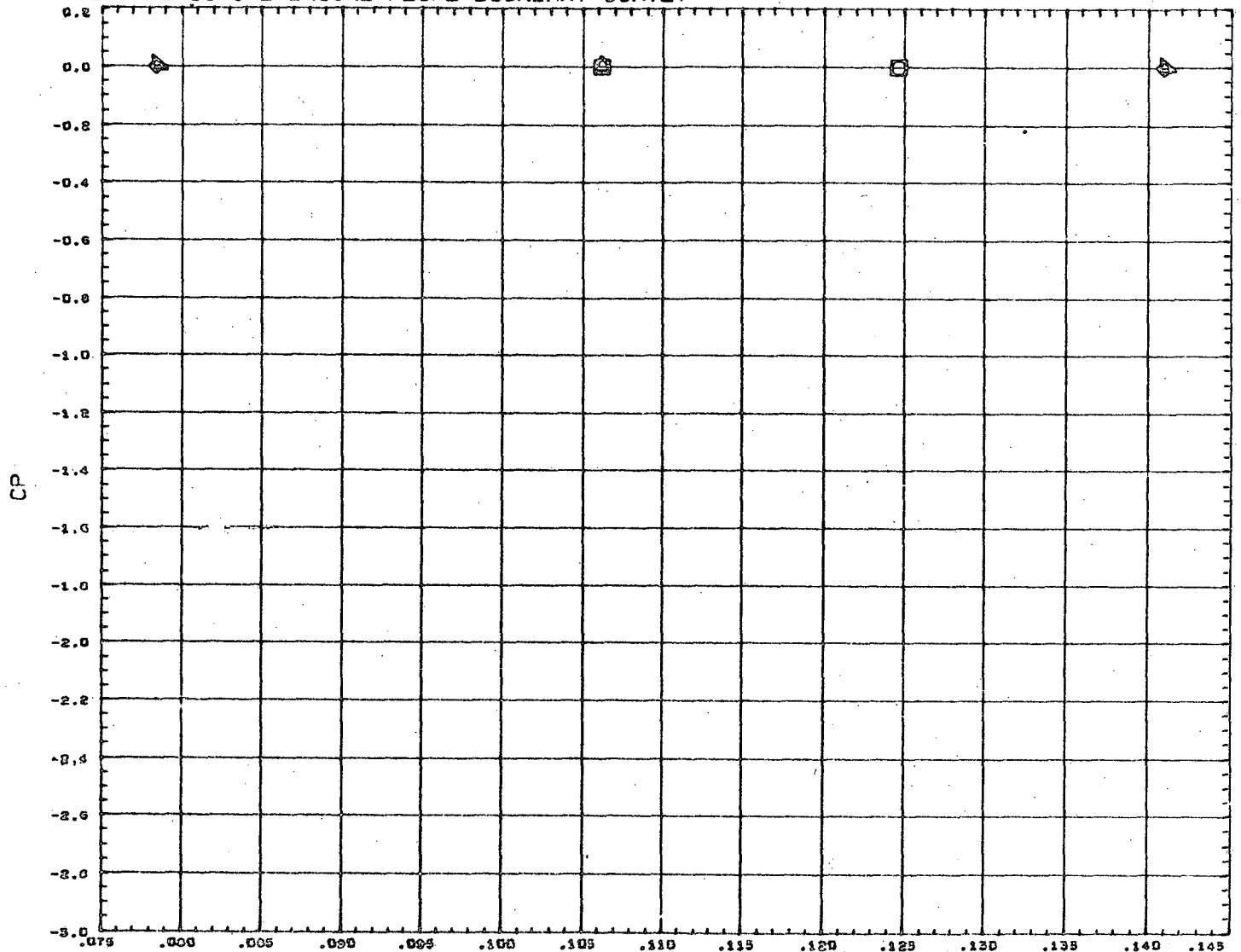
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○	45.730	401.790	0.123	LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
△	75.730			BREF	27.000	INCHES				
◇	78.000			XHRF	0.000	DIAMTR				
□	120.730			YHRF	0.000	DIAMTR				
▽	123.000			ZHRF	0.000	DIAMTR				

0072R0000.FE02E CC80 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



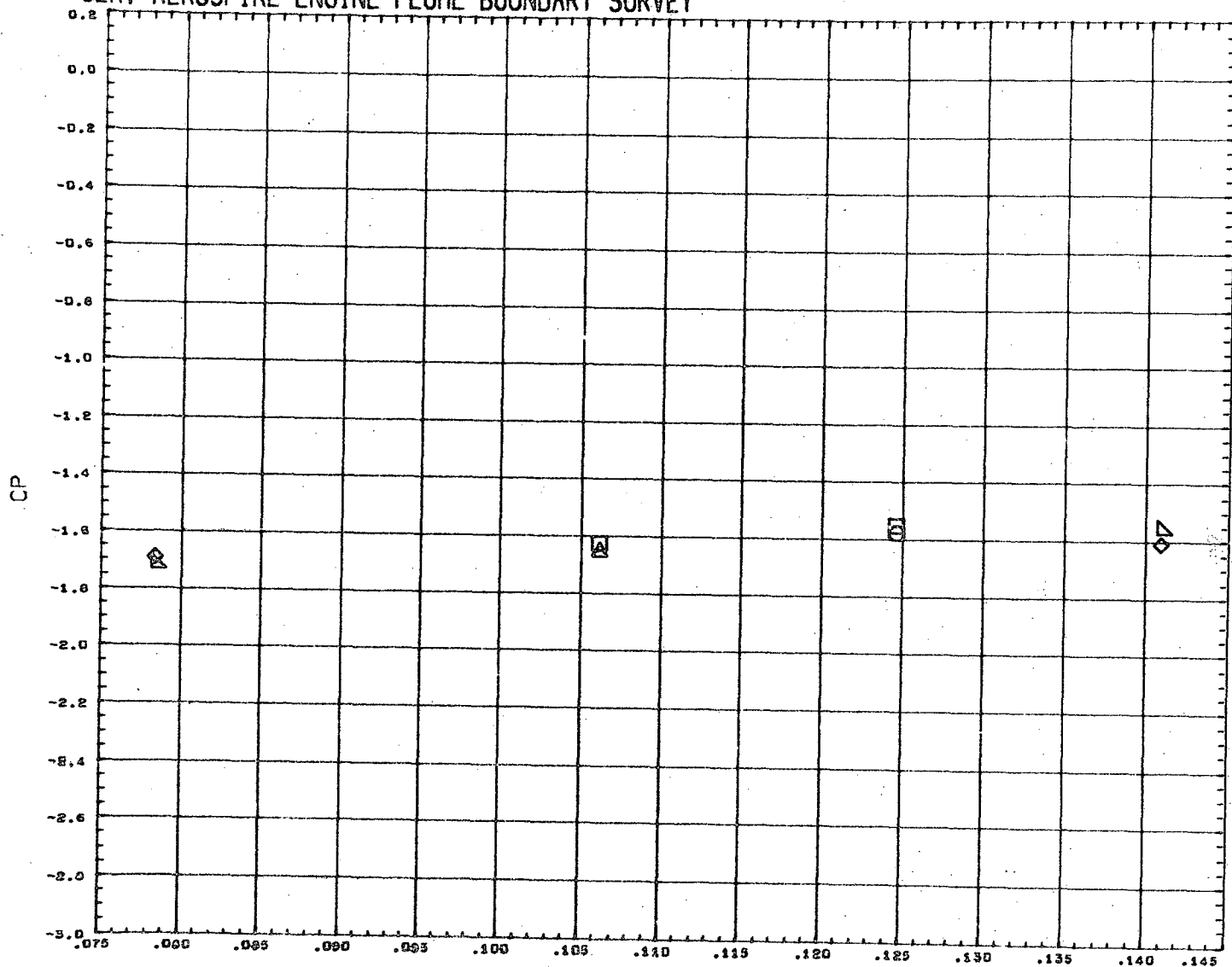
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△	45.730	481.607	0.131	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
□	75.730									PC 404.679 WS/WFC 0.000
◇	78.000									
○	120.730									
◻	123.000									

DETERMINED FROM CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL

◇
□
○
△
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THETA

45.730
75.730
70.000
120.730
123.000

PRATIO

201.700

MACH

0.600

SREF

LREF

BREF

XMRP

YMRP

ZMRP

572.557

27.000

27.000

0.000

0.000

0.000

SG. IN.

INCHES

INCHES

DIAMTR

DIAMTR

DIAMTR

E/DOOR

PC

PARAMETRIC VALUES

0.000

ALPHA

0.004

404.679

WS/WFC

0.000

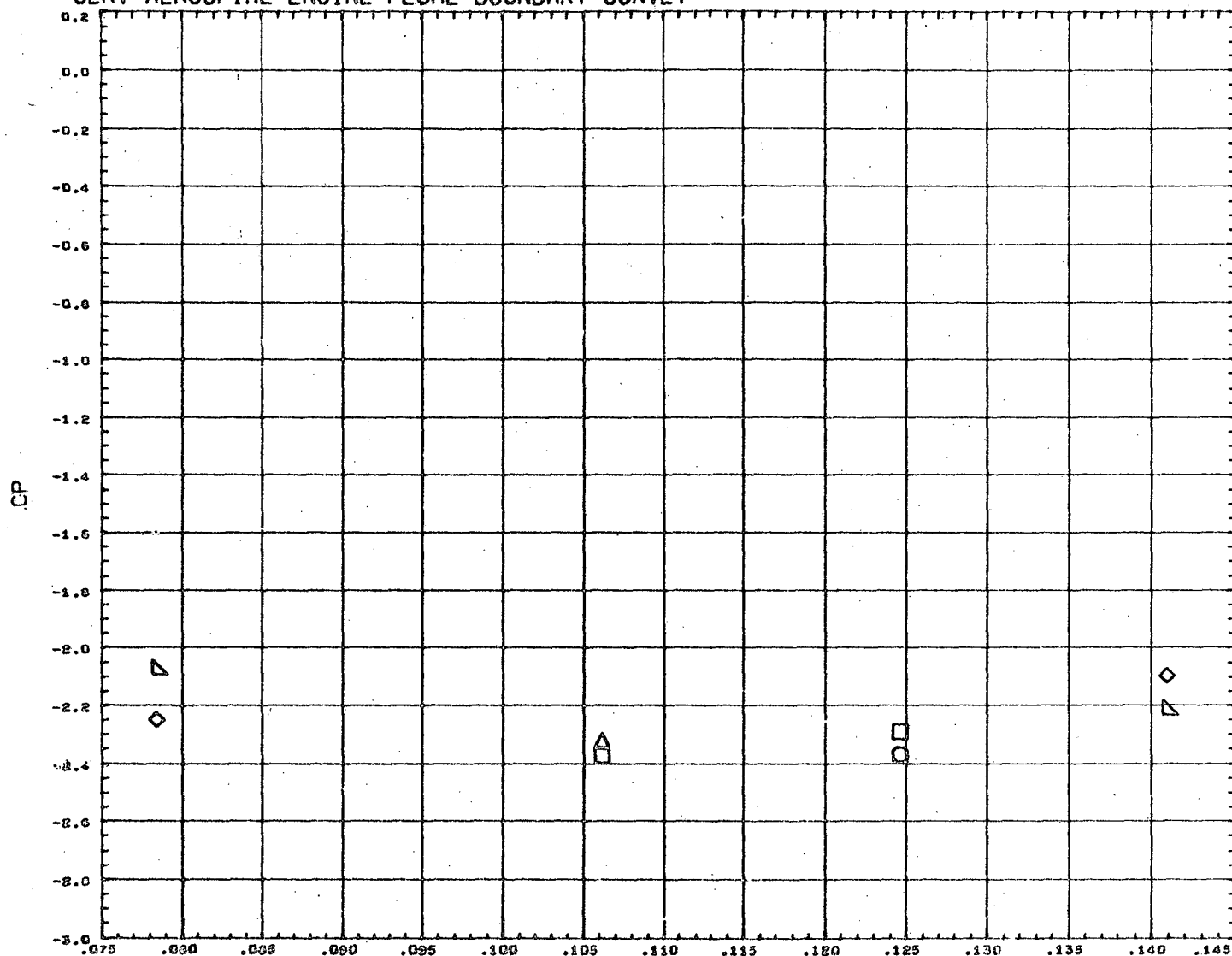
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CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

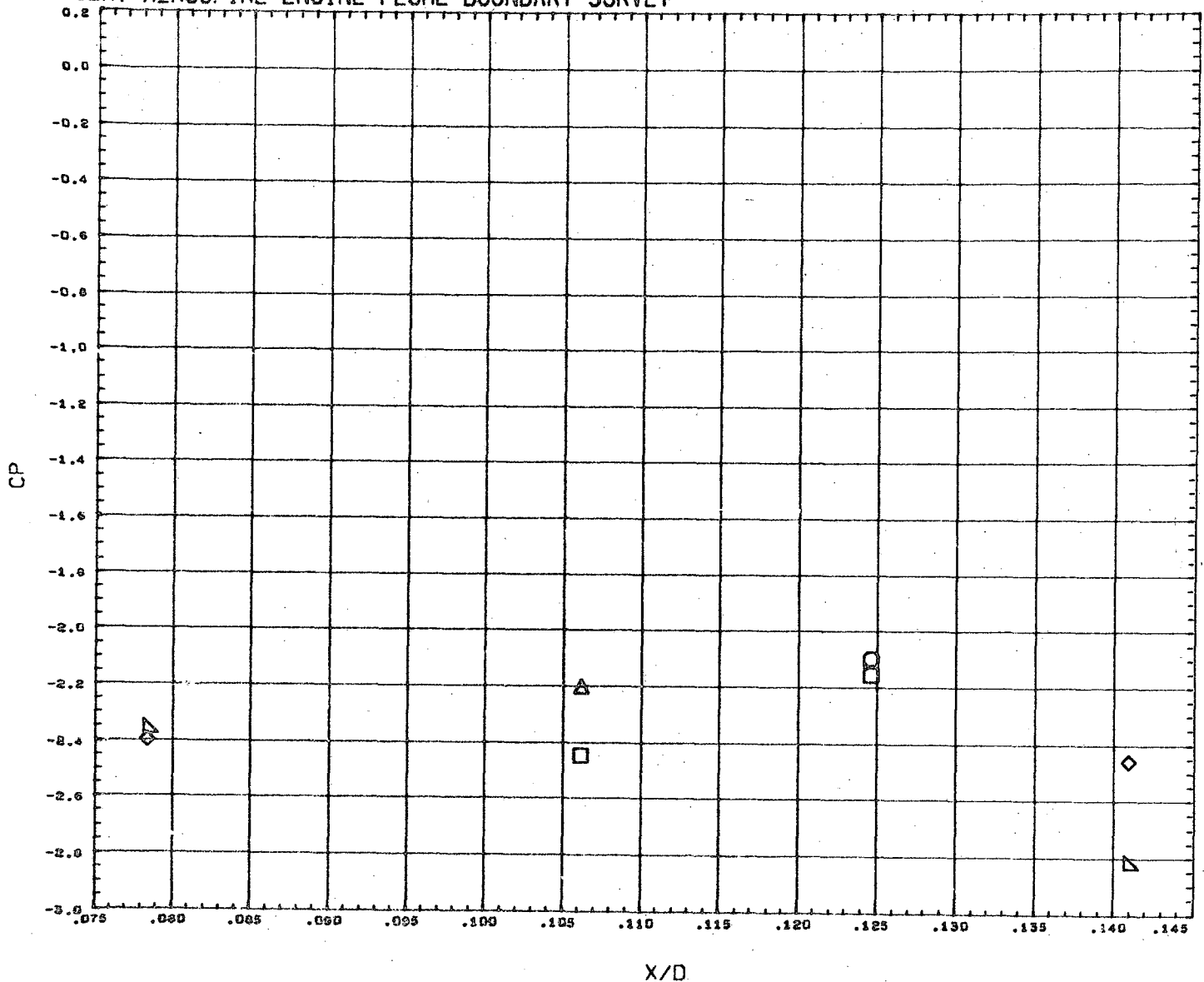
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○	45.730	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
△	75.730													
◇	70.000													
□	120.730													
◻	123.000													

050800G.FECDE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



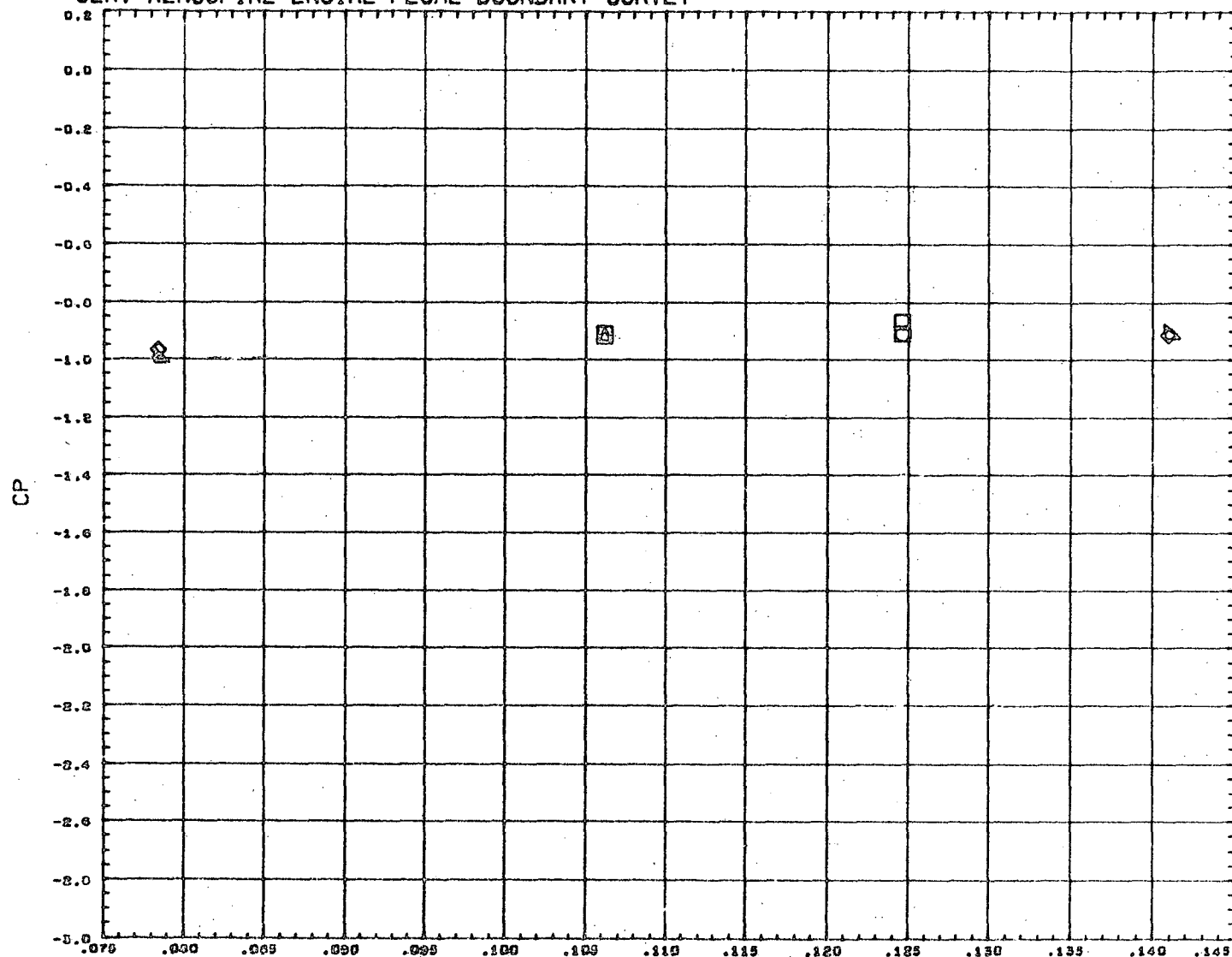
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	75.730			BREF	27.000	INCHES				
	73.000			XMRP	0.000	DIAMTR				
	120.720			YMRP	0.000	DIAMTR				
	123.000			ZMRP	0.000	DIAMTR				

BARRETT.FCEE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



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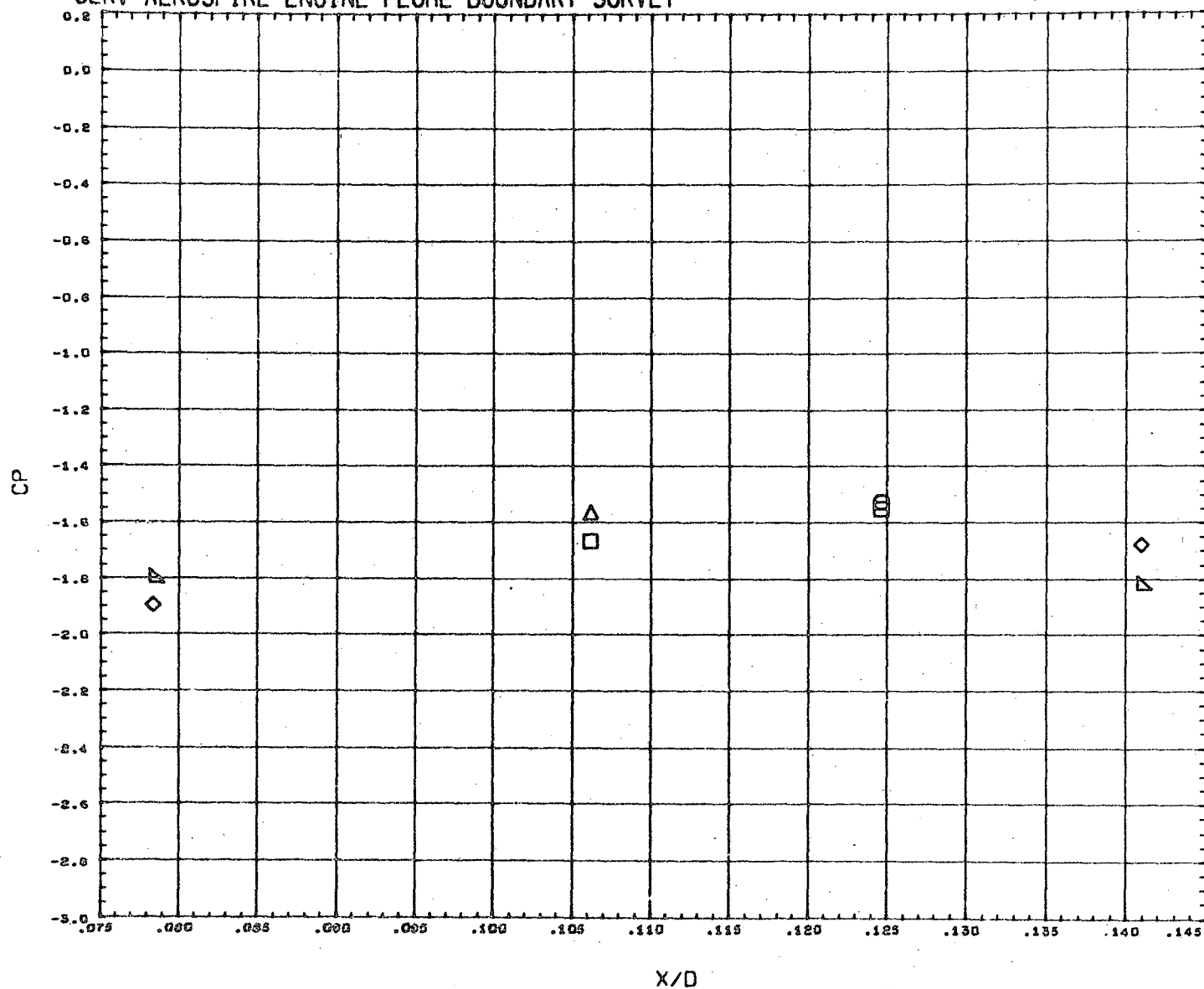
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◇	45.730	302.353	0.001	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
◇	75.730			INCHES	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	78.000													
◇	120.730													
◇	123.000													

00000000.F600E C000 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



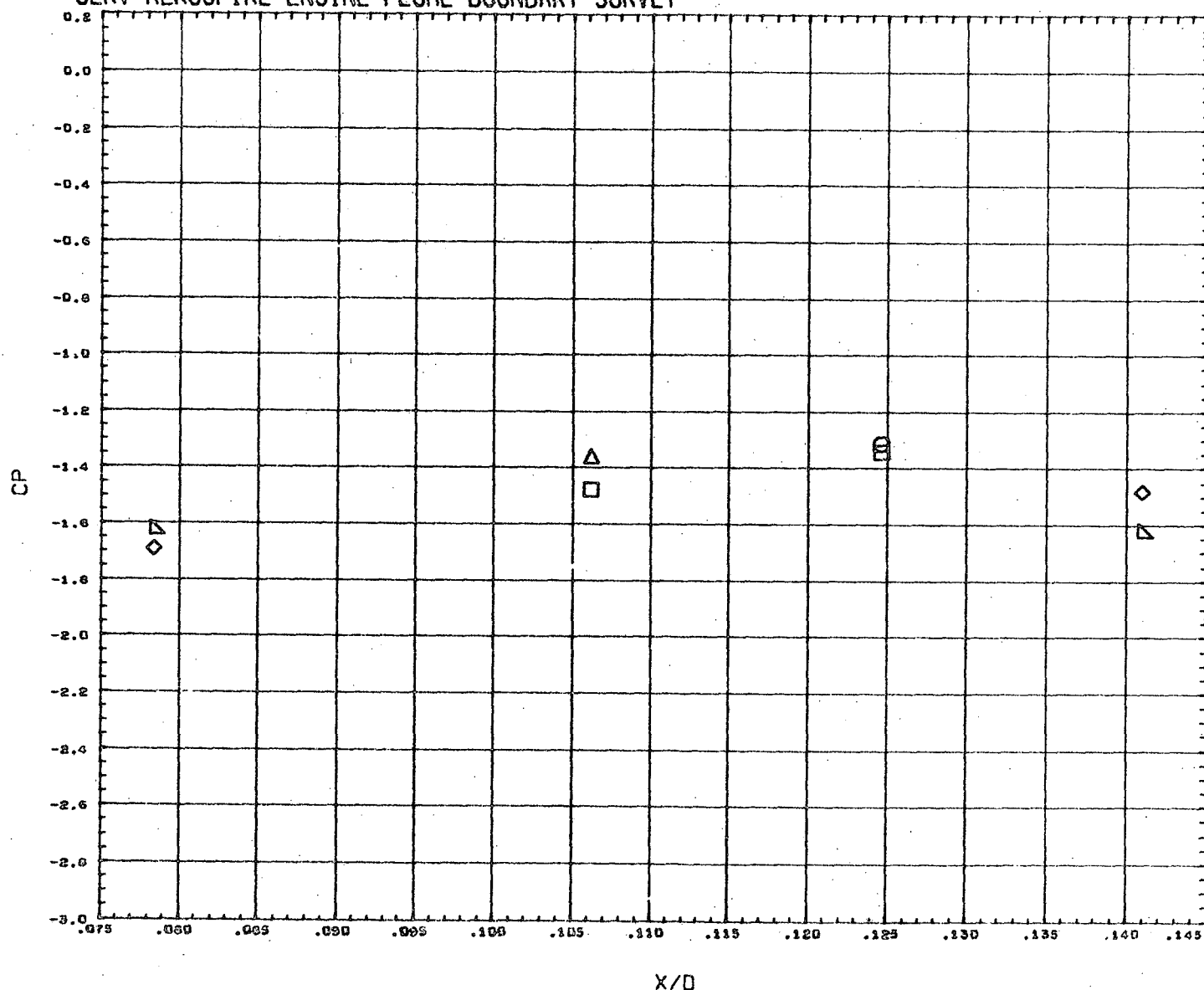
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△	45.730	400.087	0.798	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	75.730									FC 404.679 WS/WPC 0.000
□	78.000									
○	120.730									
●	123.000									

08780002.FE02E CC00 TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



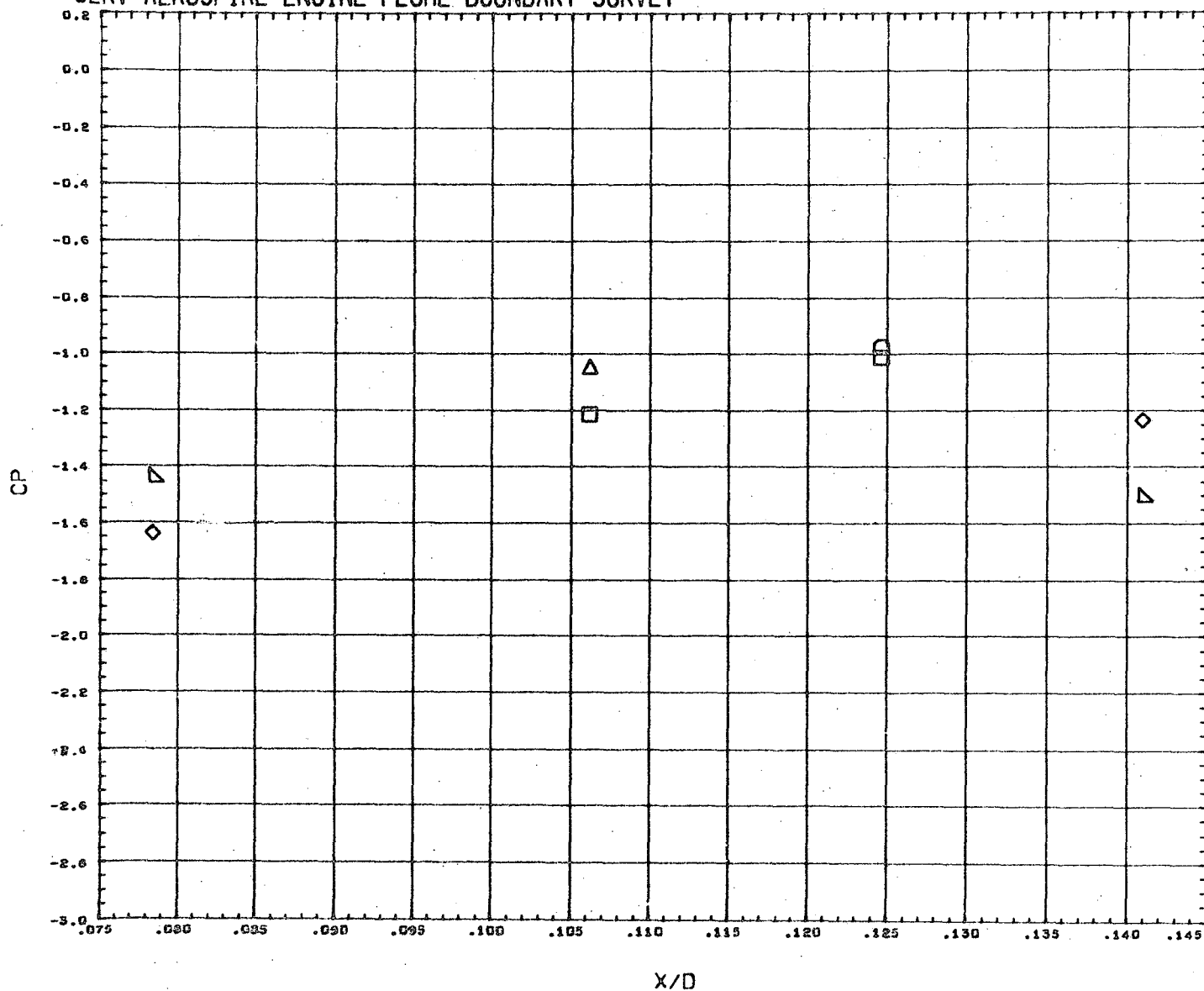
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◇	45.730	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA 0.004
△	75.730				INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	76.000											
◇	120.730											
◇	123.000											

DATA REDUCED BY FECSB CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



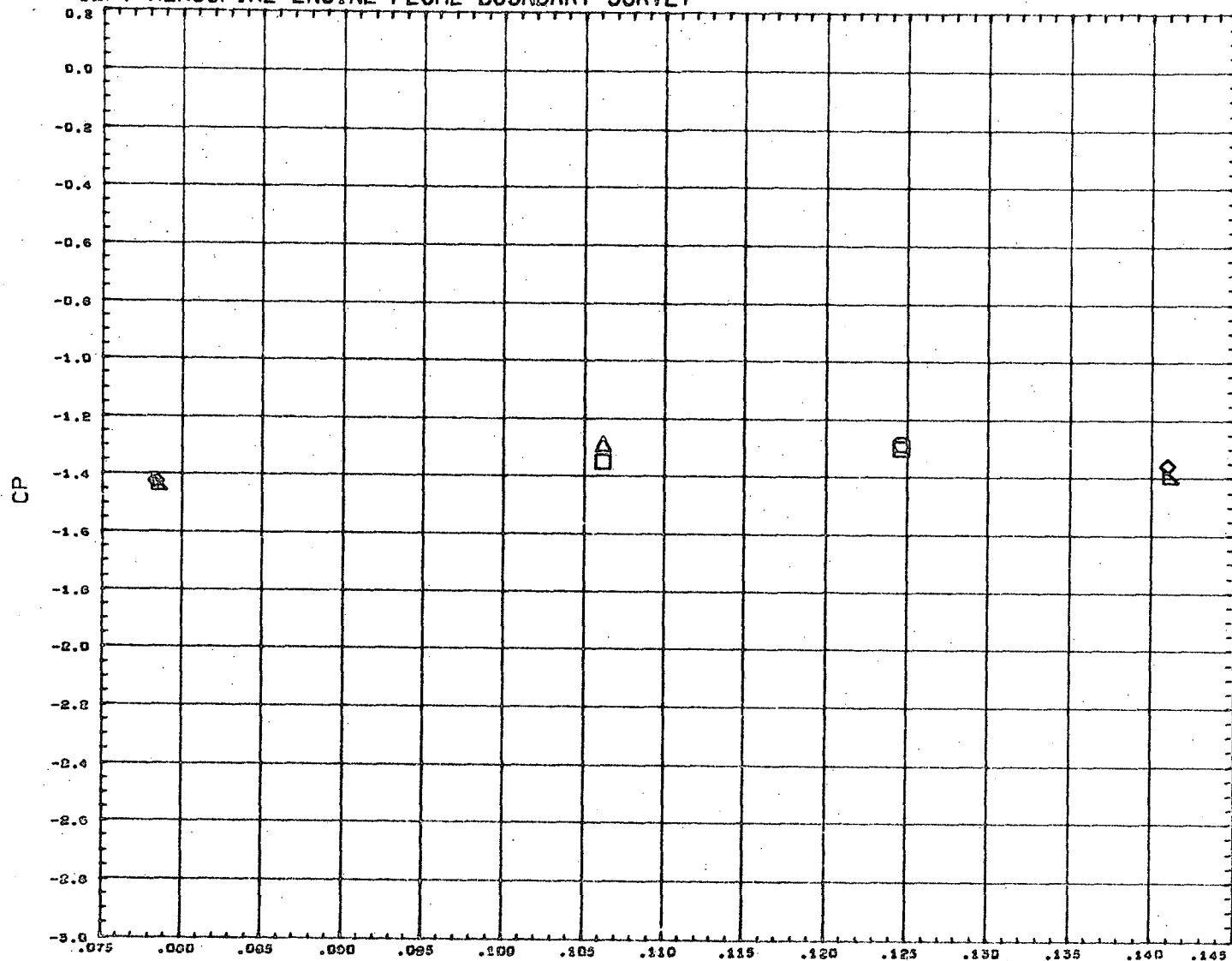
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△	45.750	689.802	0.803	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
◻	75.750			27.000	27.000	27.000	0.000	0.000	0.000			WS/WFC 0.000
◊	78.000											
○	120.730											
◻	123.000											

83748865.FSC25 CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL

THETA

PRATIO

MACH

○
△
◇
□
◻

45.730
75.730
78.000
120.730
123.000

306.157

0.905

SREF
LREF
BREF
XMRP
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27.000
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SQ.IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

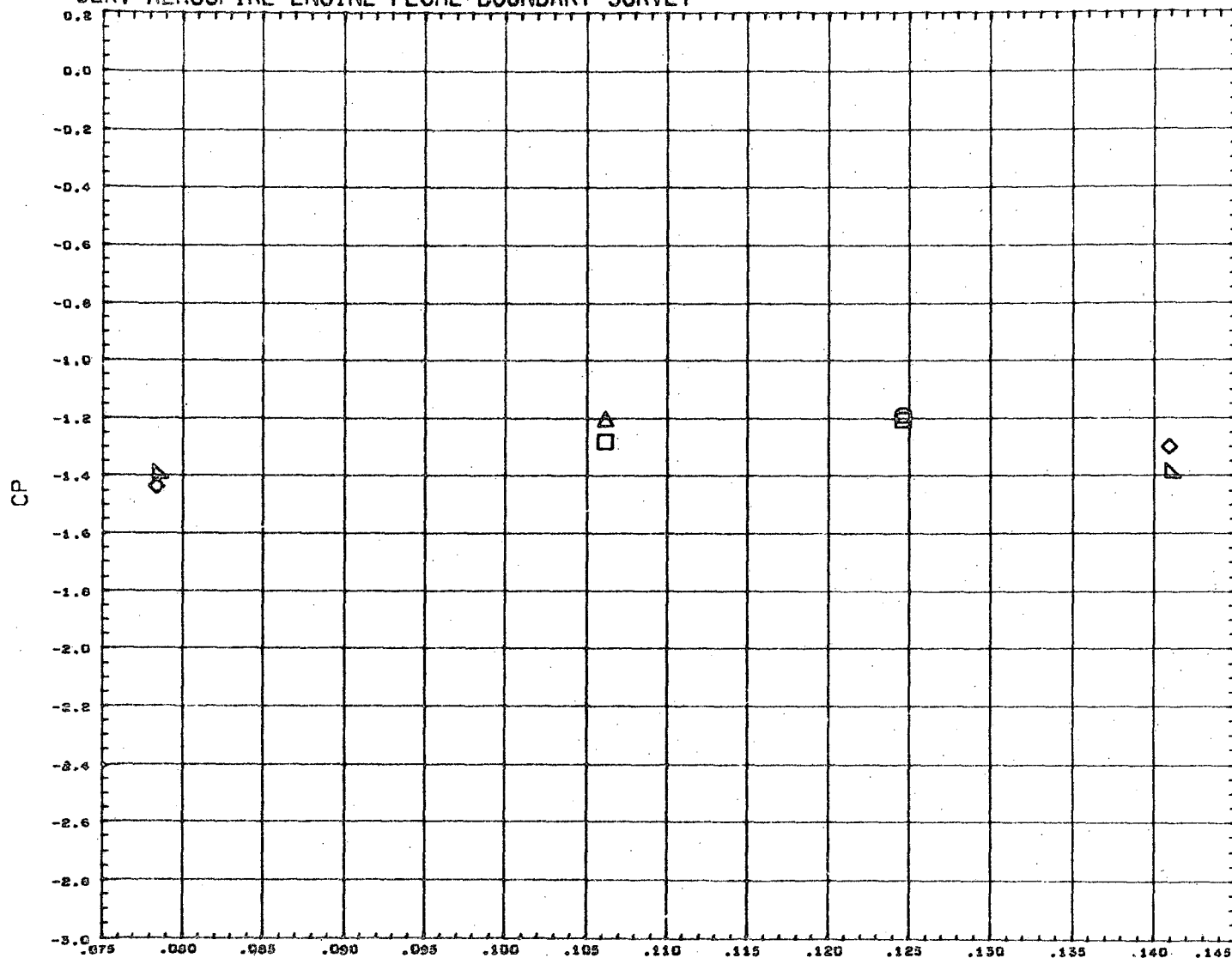
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DATA0000.F000E CCOB TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

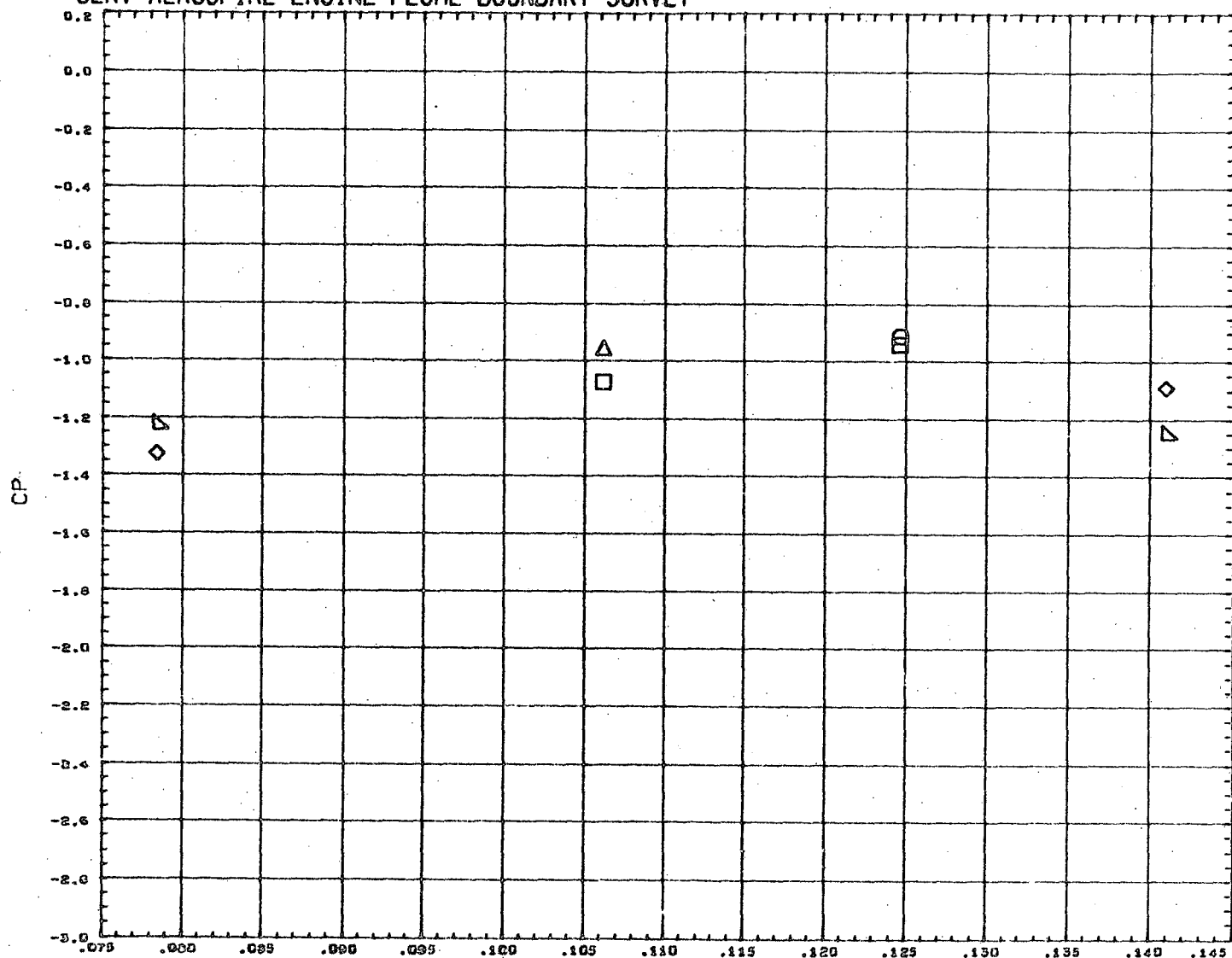
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○	45.730	399.707	0.900	572.557	27.000	27.000	0.000	0.000	0.000	50. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.004	0.004	0.000
△	75.730																			
◇	75.000																			
□	120.730																			
▽	123.000																			

DATA REDUCED FROM CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



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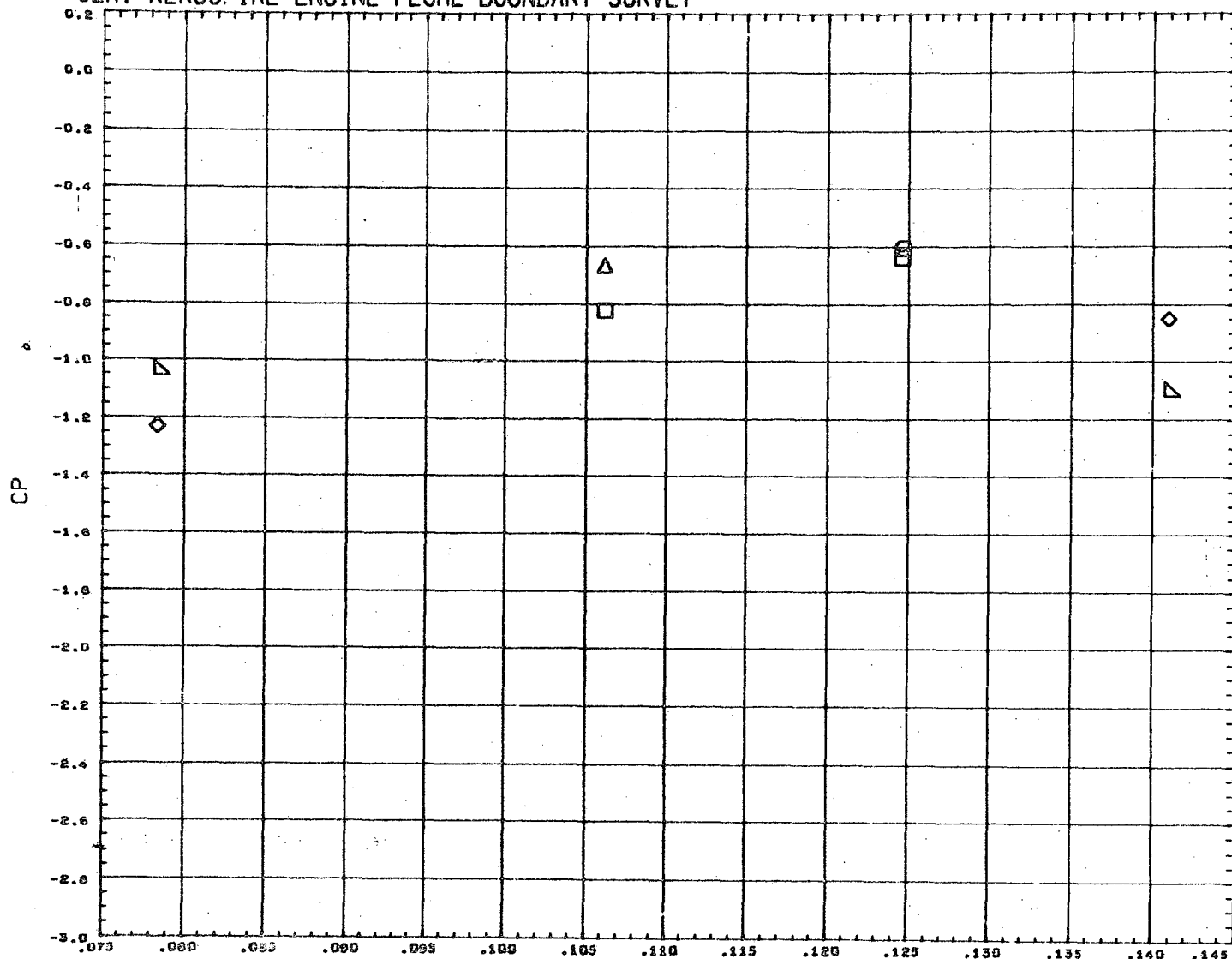
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○	45.730	600.200	0.895	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730			58.1N.	INCHES	INCHES	DIAHTR	DIAHTR	DIAHTR			WS/WFC 0.000
◇	78.000											
□	120.730											
⊠	123.000											

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AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

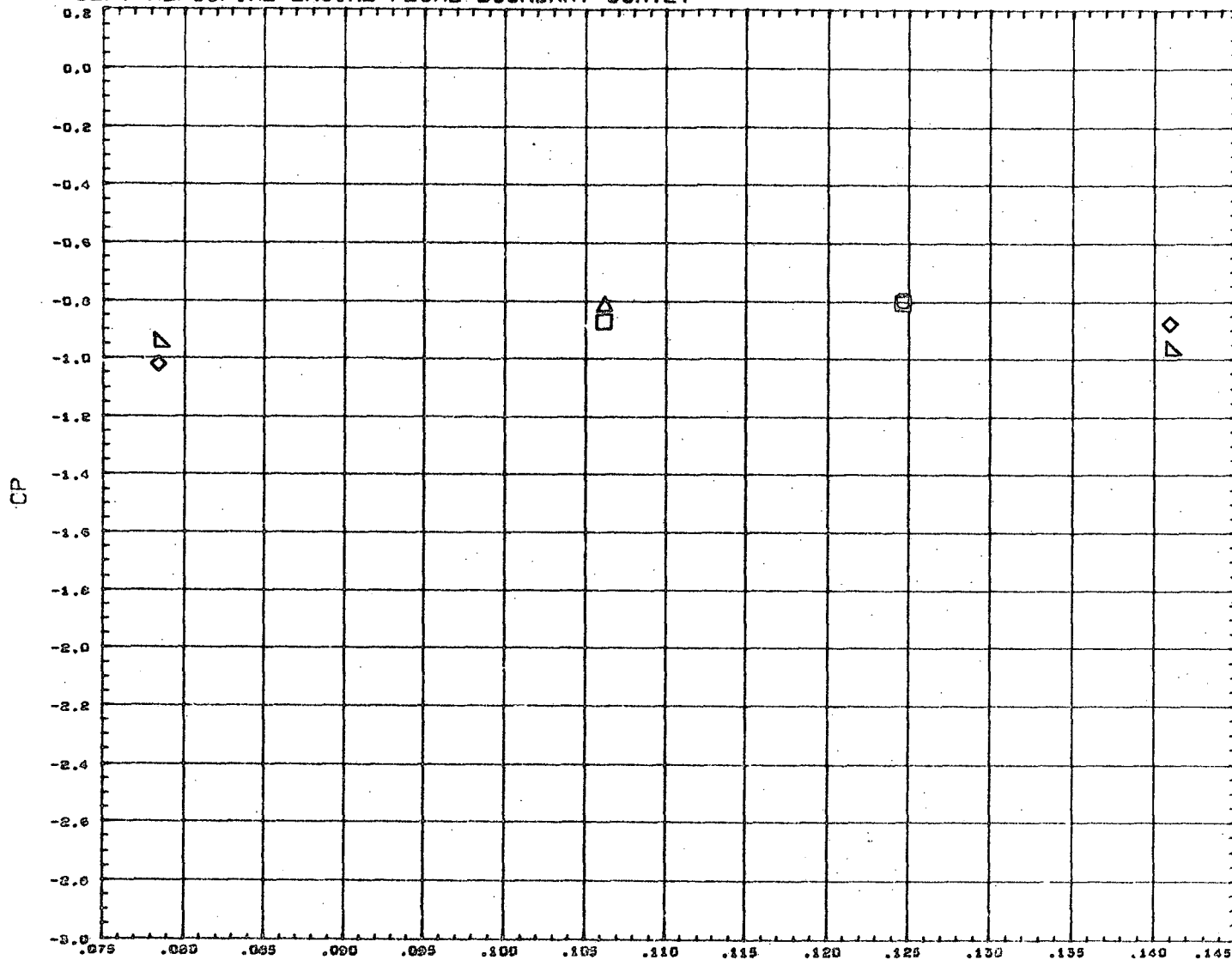
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○	45.730	812.557	0.902	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA 0.004
△	75.730				INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	78.000											
□	120.730											
△	133.000											

BSR00000.F100E CC00 TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

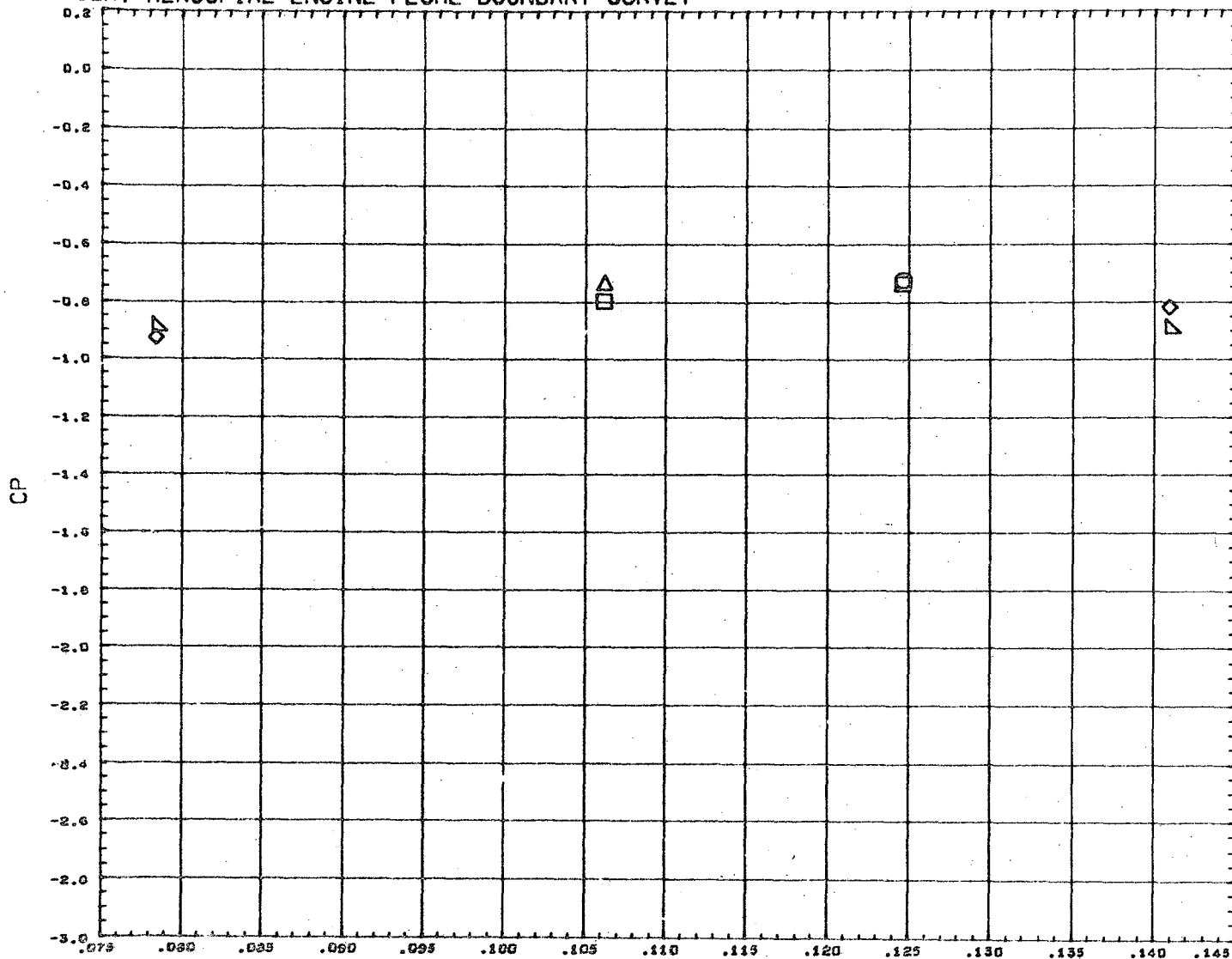
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△	75.730											WS/WPC	0.000	
◇	78.000													
□	120.730													
△	123.000													

0040000000.F0000 CC89 TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

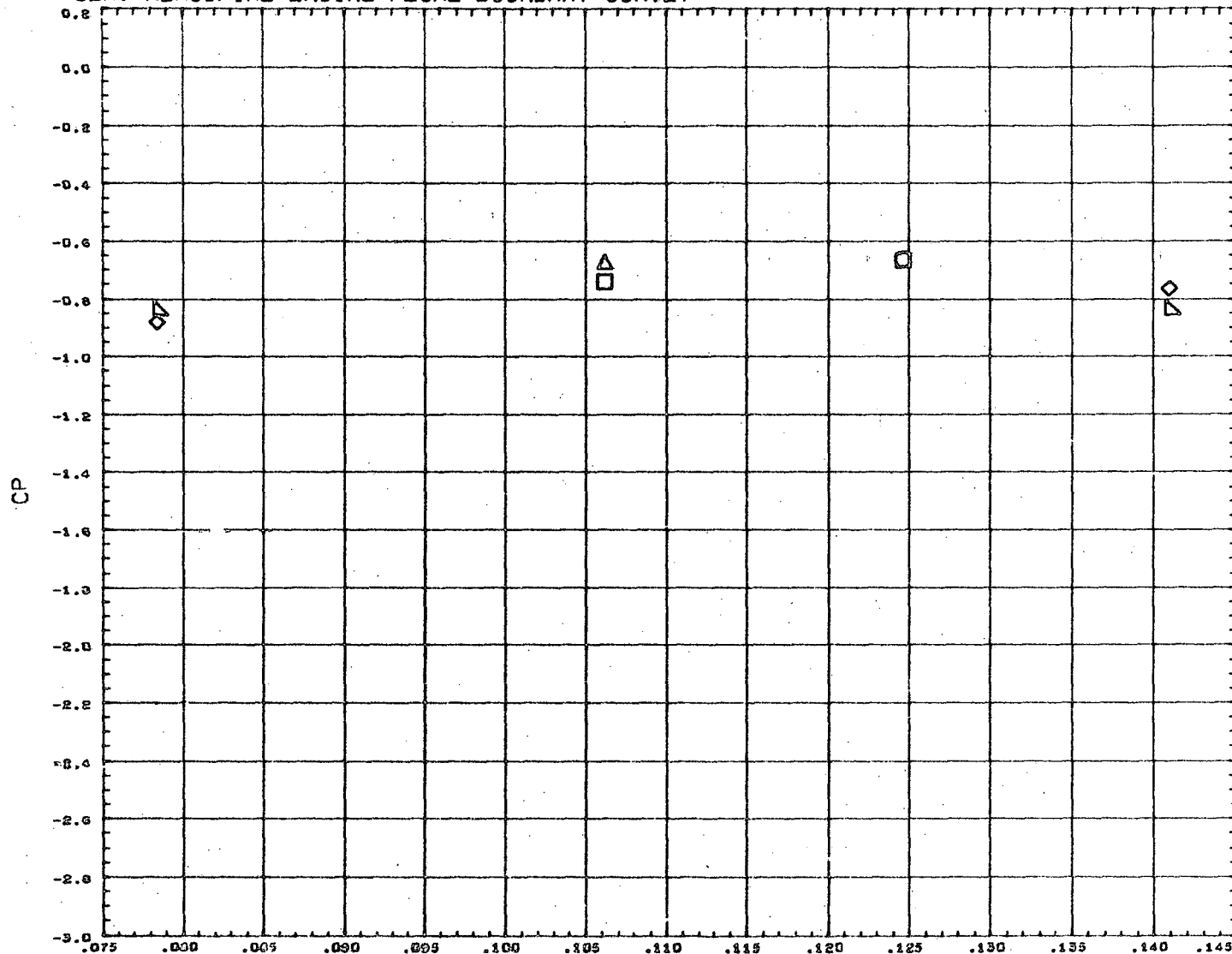
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○	45.730	491.386	1.101	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730											WS/WPC 0.000
◇	78.900											
□	120.730											
▽	123.000											

DATA REDUCED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

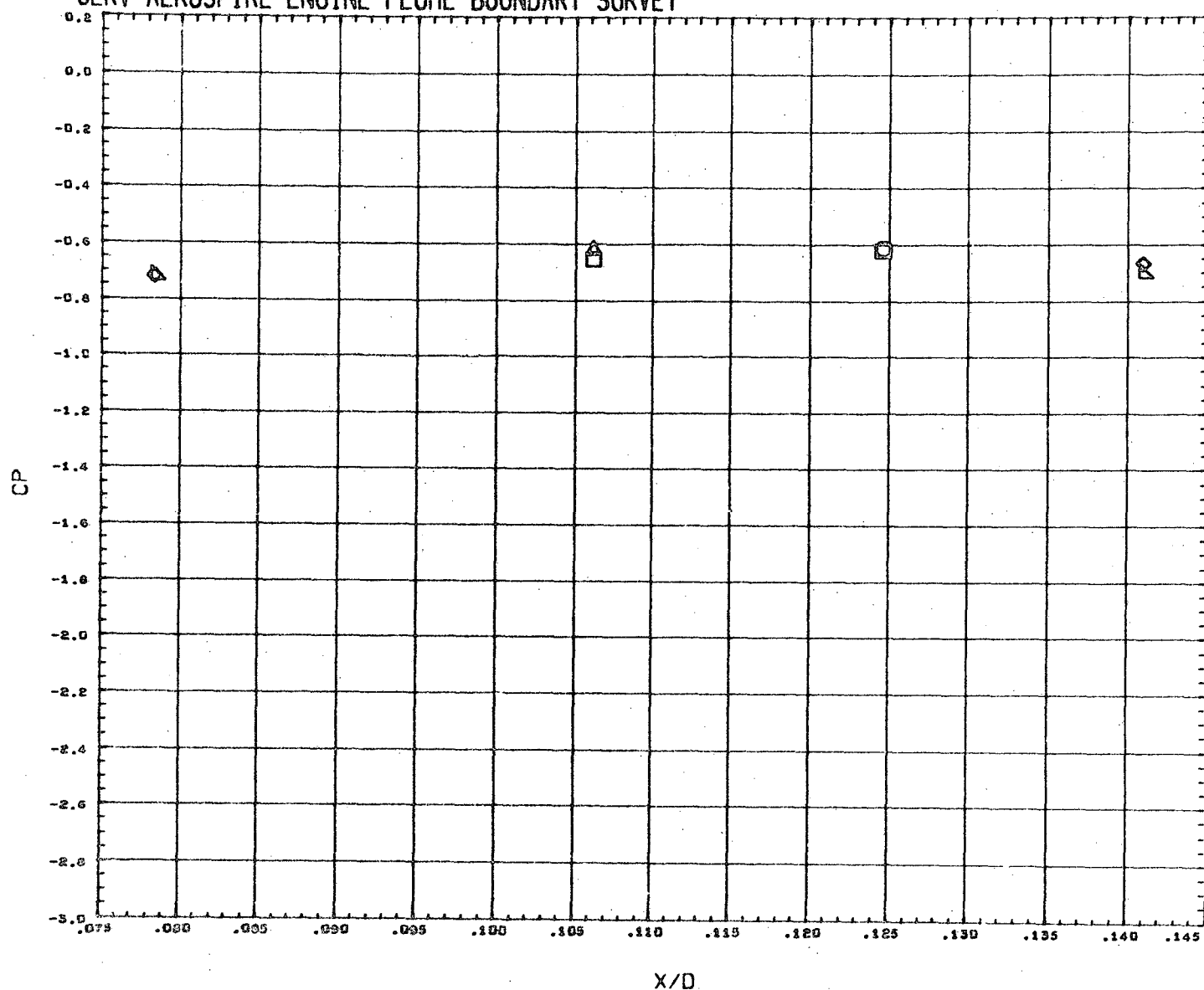
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○	45.730	599.127	1.089	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730			572.557	27.000	27.000	0.000	0.000	0.000	0.000		WS/WPC 0.000
◇	78.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000		
□	120.730			572.557	27.000	27.000	0.000	0.000	0.000	0.000		
◻	123.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000		

BR708062.FCCSE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



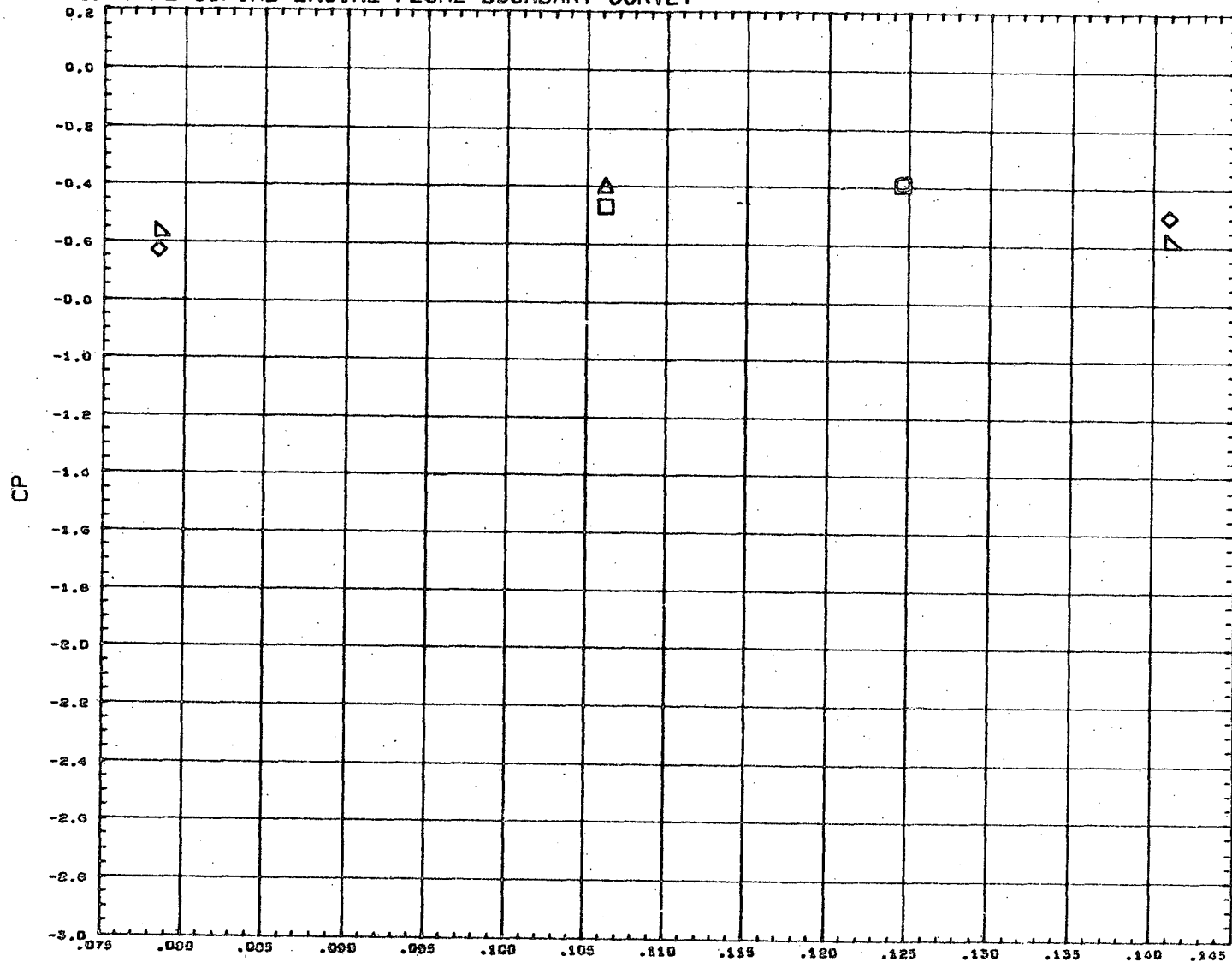
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	50.IN.	E/DOOR	PARAMETRIC VALUES	
△	45.730	400.123	1.254	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
◇	75.730			BREF	27.000	INCHES		404.679	WS/WPC 0.000
□	76.500			XMRP	0.000	DIAMTR			
△	120.730			YMRP	0.000	DIAMTR			
△	123.000			ZMRP	0.000	DIAMTR			

BSTAR0005.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	FRATIO	HACH	SREF	LREF	WREF	ZREF	E/DOOR	PC	PARAMETRIC VALUES
△	45.730	751.932	1.261	572.557	27.000	0.000	0.000	0.000	404.679	ALPHA 0.004
◇	75.730			27.000	INCHES	0.000	0.000			WS/WFC 0.000
□	70.000			27.000	INCHES	0.000	0.000			
◇	120.730			0.000	DIAMTR	0.000	0.000			
□	123.000			0.000	DIAMTR	0.000	0.000			

BARBAROSE.FIGURE CCSD TN-AP-70-048

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

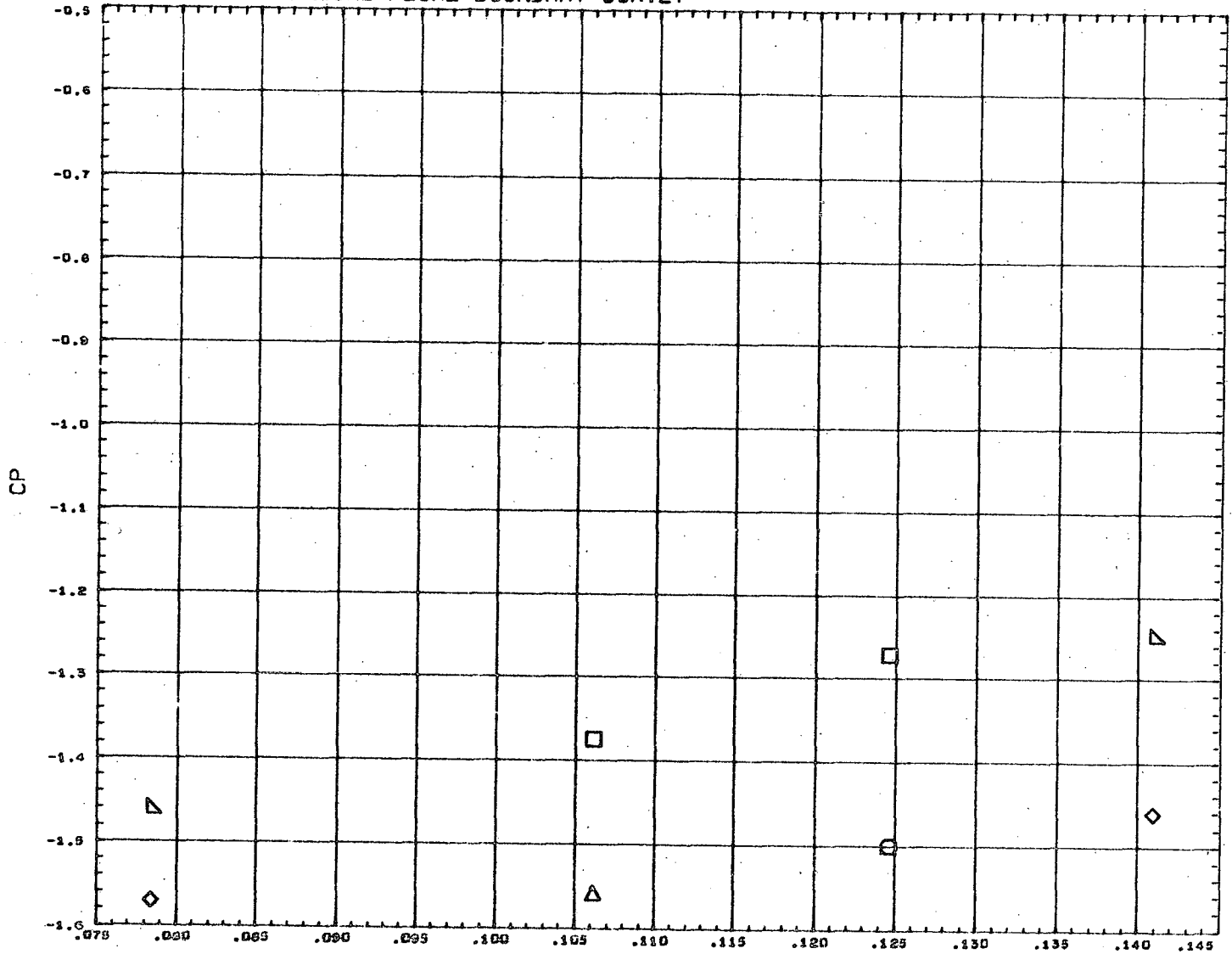
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◇	45.730	031.960	1.248	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
◇	75.730			LREF	27.000	INCHES				
◇	78.000			BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	120.730			XMRP	0.000	DIAMTR				
◇	123.000			YMRP	0.000	DIAMTR				
◇				ZMRP	0.000	DIAMTR				

0302R0065.F002E CC80 YN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	PRATIO	MACH
○	45.730	202.063	0.599
△	75.730		
◇	70.000		
□	120.730		
◻	123.000		

SREF	572.557	50.1N.
LREF	27.000	INCHES
BREF	27.000	INCHES
XHRF	0.000	DIAMTR
YHRF	0.000	DIAMTR
ZHRF	0.000	DIAMTR

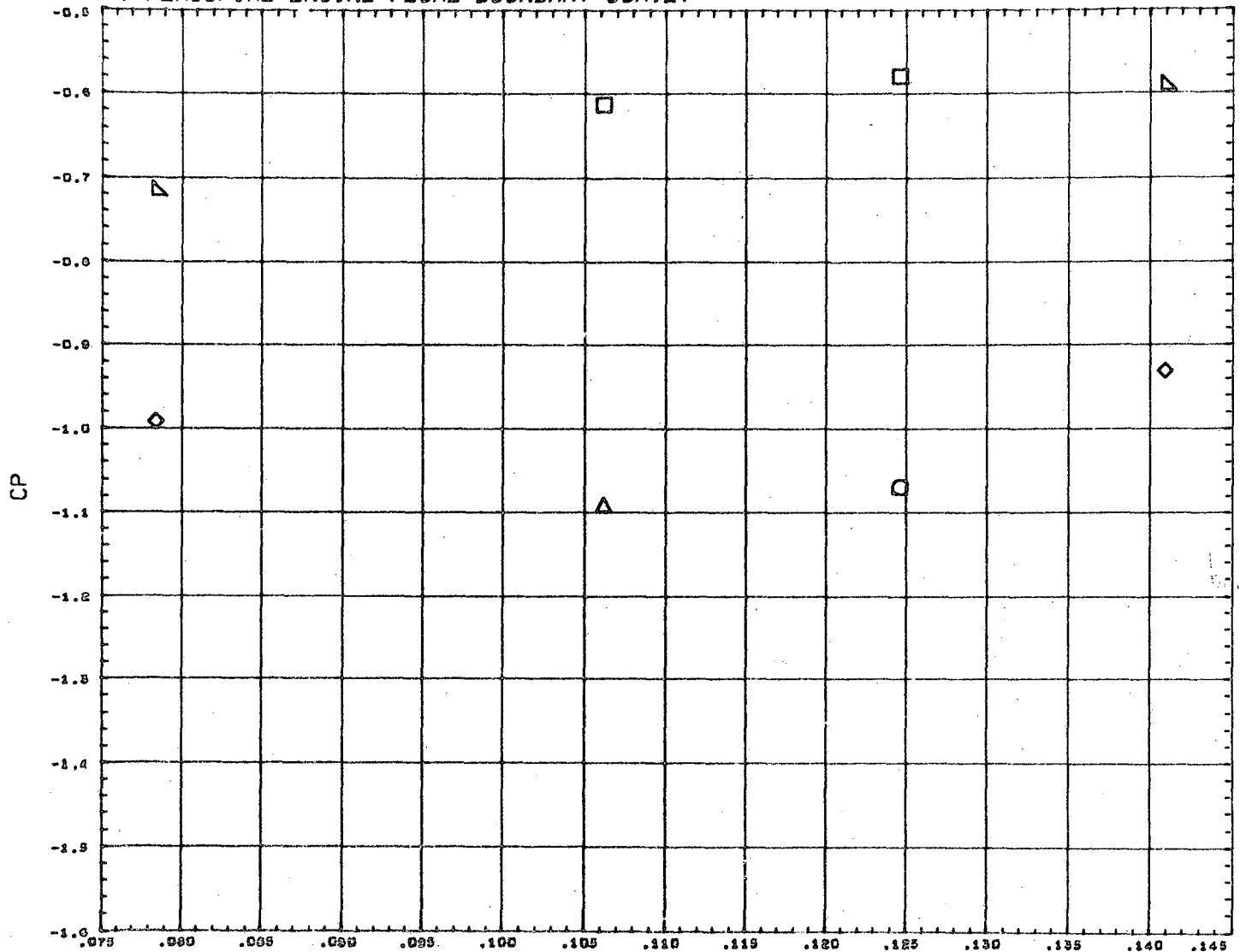
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.022
FC	402.996	WS/WPC	0.000

000RB068.F002E CC00 TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

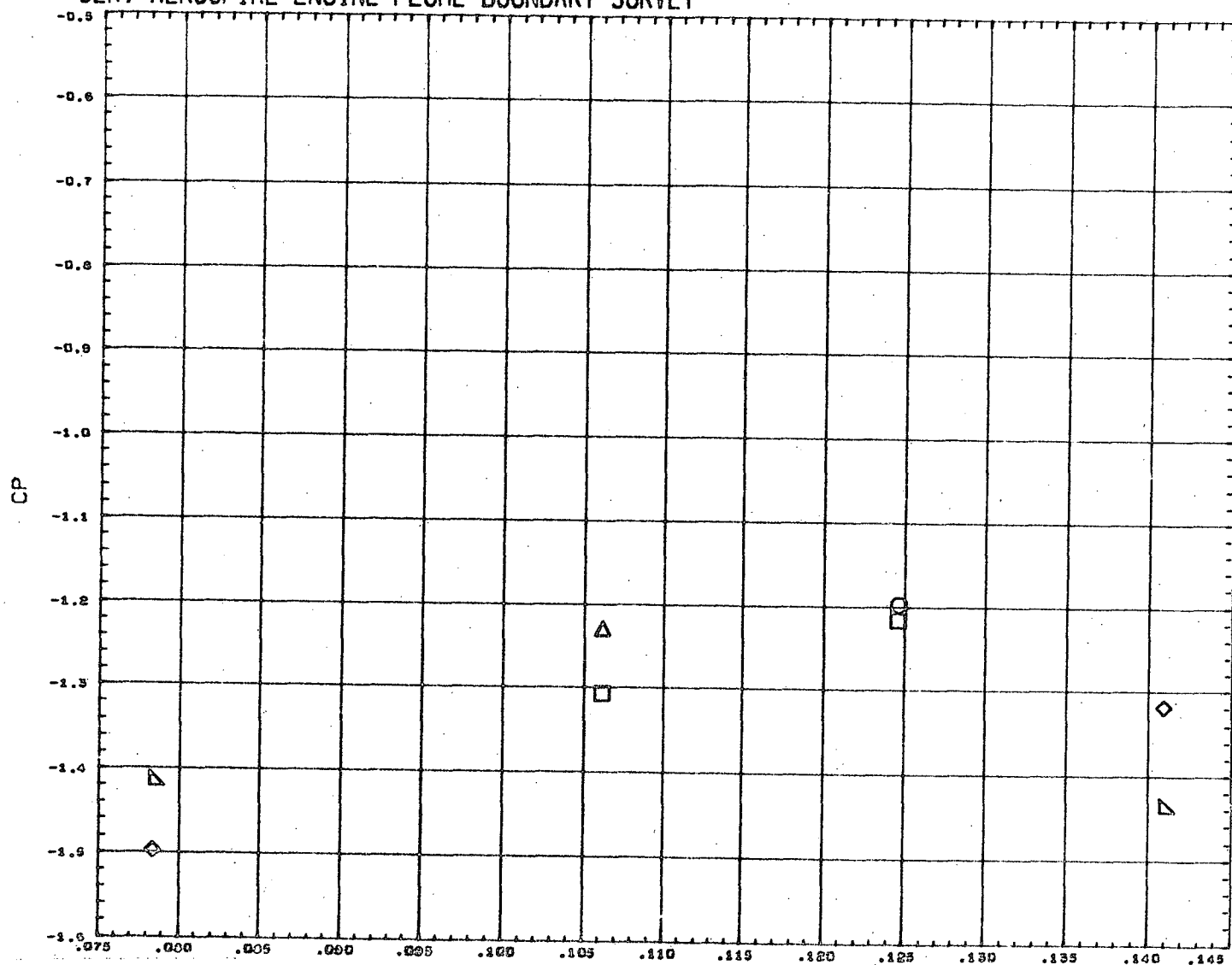
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	59. IN.	E/DOOR	PARAMETRIC VALUES		
○	45.750	299.500	0.901	LREF	27.000	INCHES	0.000	ALPHA	0.022	
△	75.750			BREF	27.000	INCHES	PC	402.996	WS/WFC	0.000
◇	79.000			XMRP	0.000	DIAMTR.				
□	100.750			YMRP	0.000	DIAMTR.				
▽	123.000			ZMRP	0.000	DIAMTR.				

001000000.F0002 CC05 TW-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL

△
◇
□
▽

THETA

45.730
75.730
78.000
120.730
123.000

FRATIO

398.487

MACH

0.899

X/D

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

SQ.IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

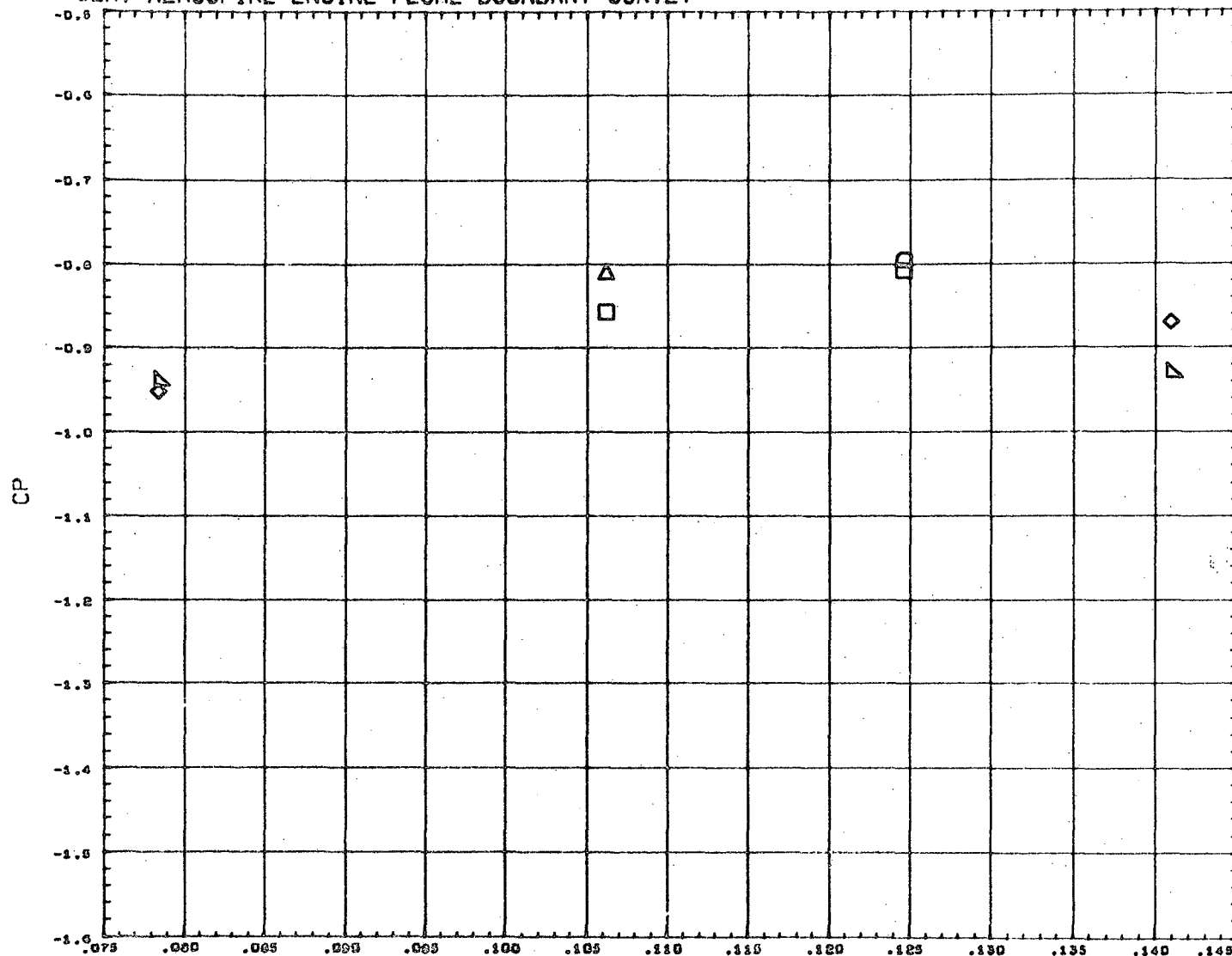
0.000 ALPHA 8.022
402.996 WS/WFC 0.000

DATA SOURCE: FORD CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	PRATIO	MACH
○	65.730	402.407	1.100
△	75.730		
◇	70.000		
□	120.730		
◻	125.000		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XHRF	0.000	DIAHTR
YHRF	0.000	DIAHTR
ZHRF	0.000	DIAHTR

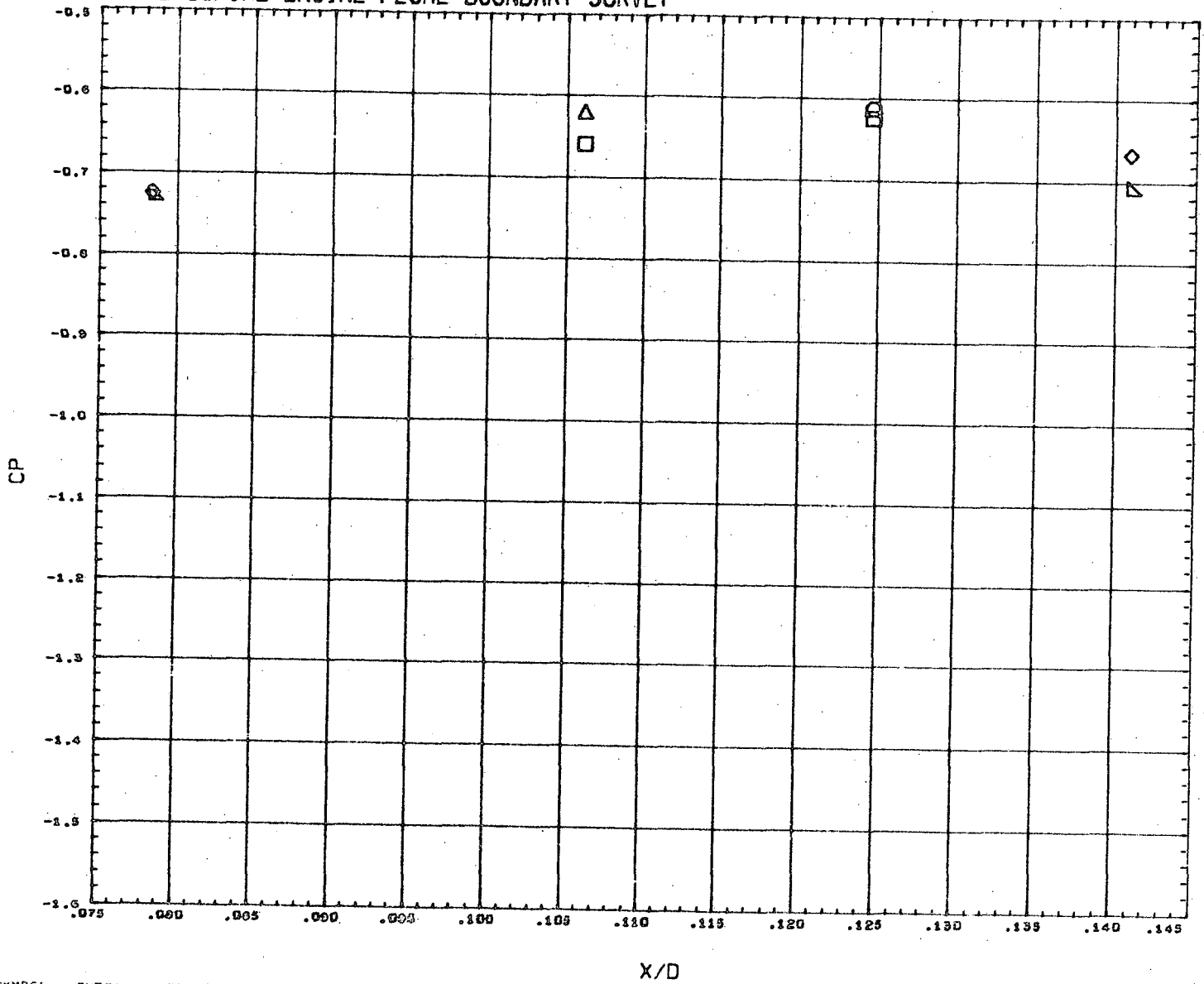
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	8.022
PC	402.996	WS/WPC	0.000

00000000.F000E CC00 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	FRATIO	MACH
◇	45.730	400.737	1.253
△	75.730		
◇	78.000		
□	120.730		
▽	123.000		

SREF	572.557	58. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

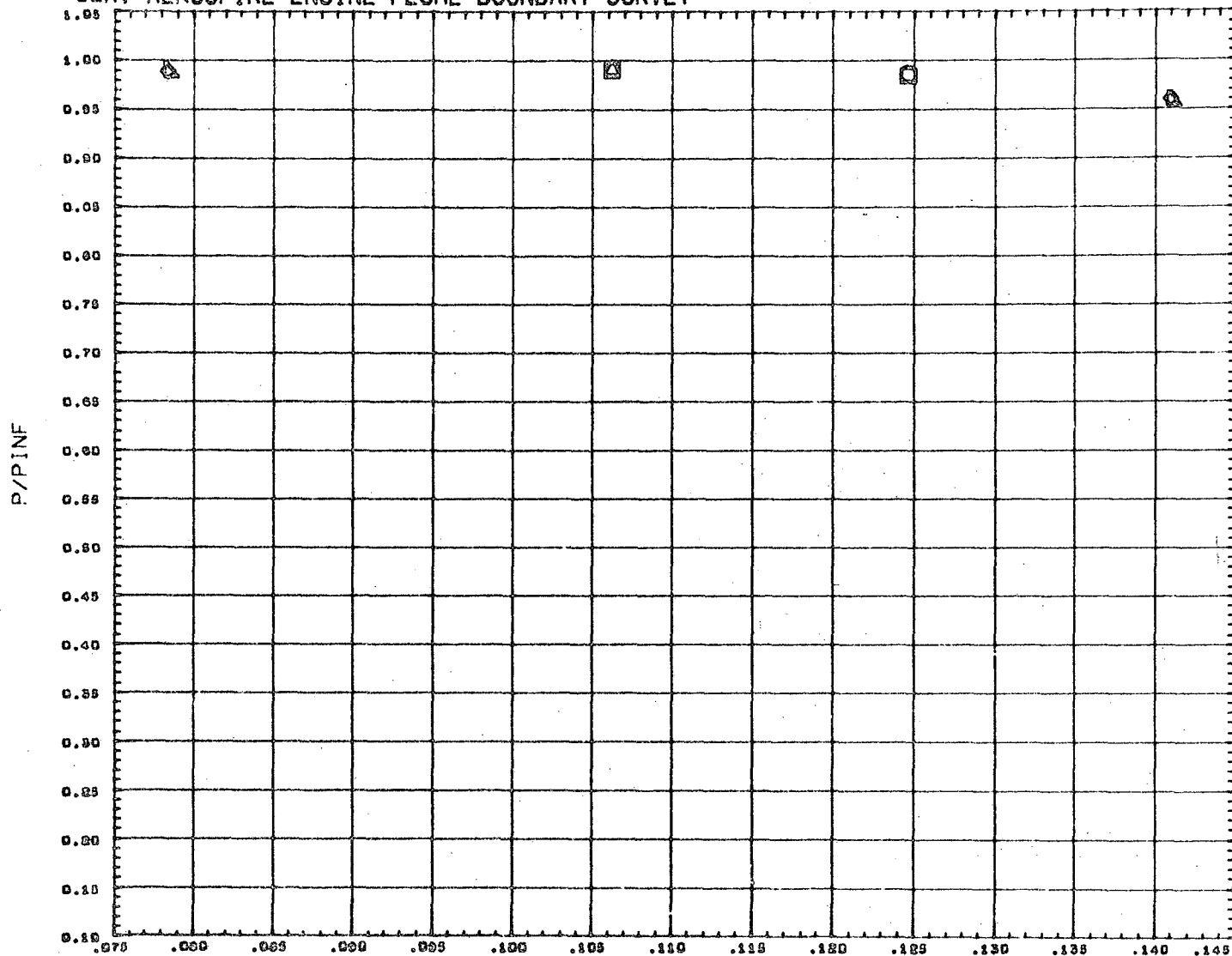
PARAMETRIC VALUES		
E/DOOR	0.000	ALPHA
FC	402.996	WS/WFC
		0.022
		0.000

BAVARENSKY.FIGURE CCSD TM-AP-70-048

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (AT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

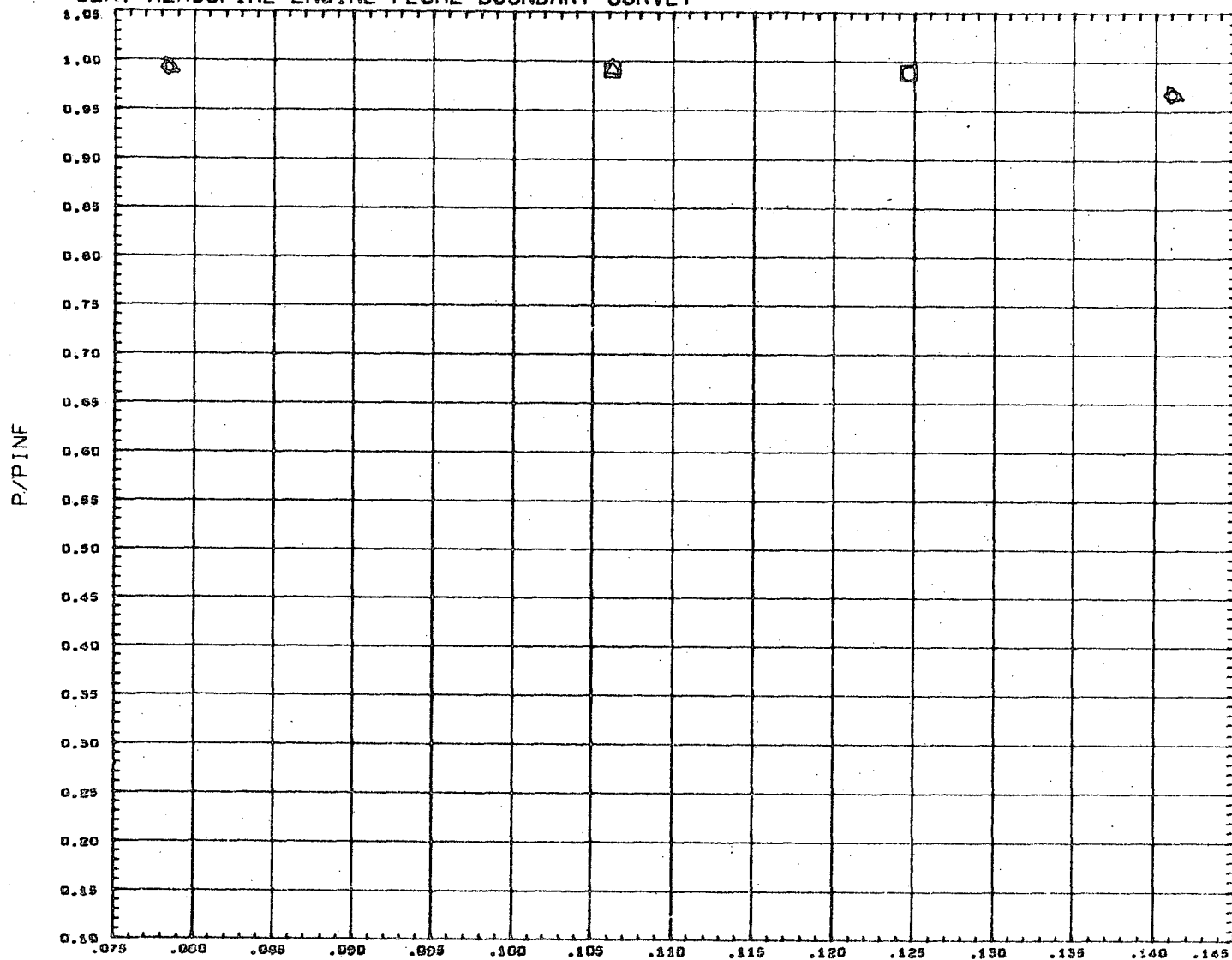
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○	45.735	125.000	0.006	572.557	87.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
△	75.735			87.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	76.000			27.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
□	120.735			0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR	DIAMTR					
▽	125.000			0.000	DIAMTR	DIAMTR	DIAMTR	DIAMTR	DIAMTR					

02500000.FIGURE CC00 TH-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

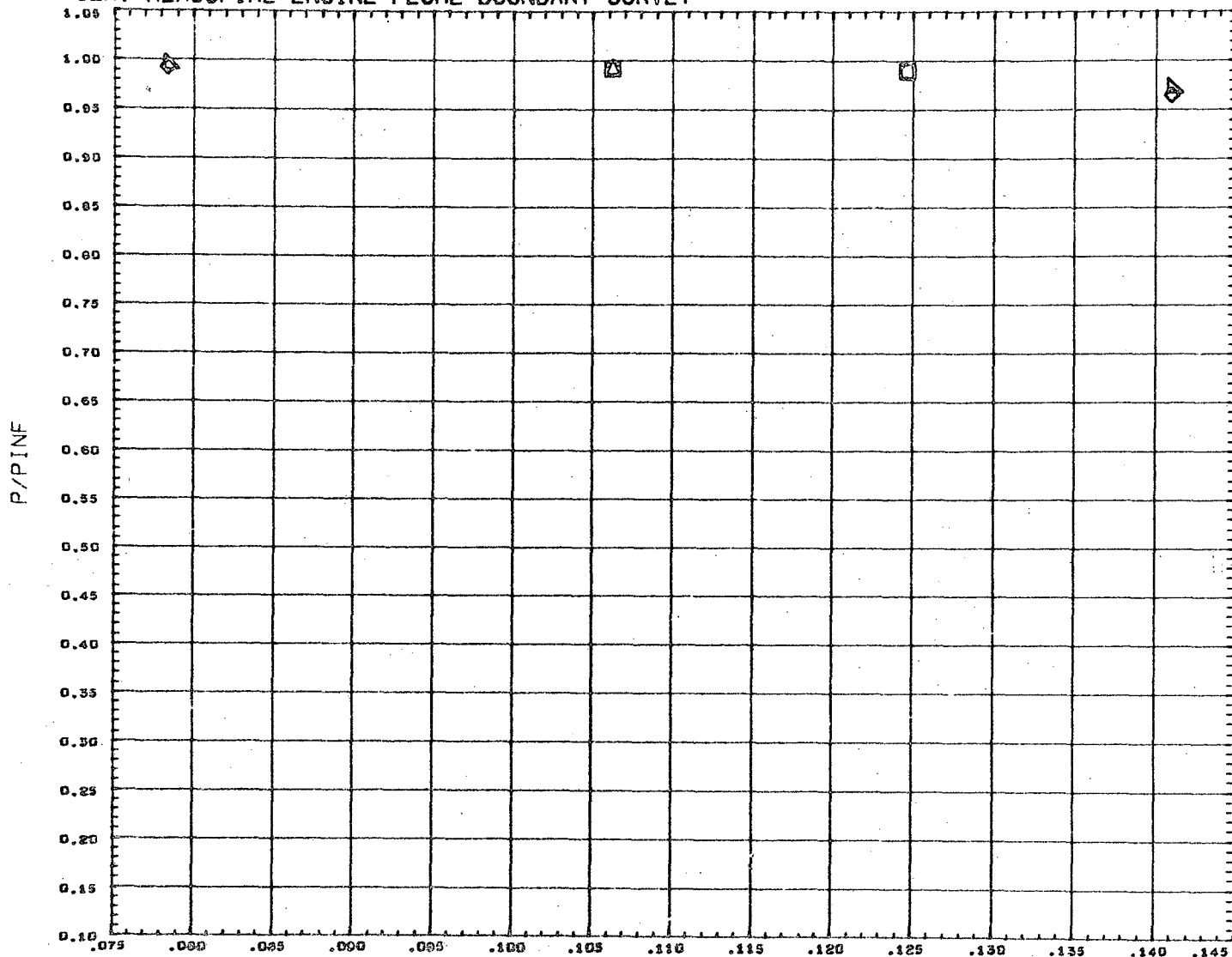
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES	E/DOOR	PC	ALPHA	WS/WPC
○	45.730	151.083	0.099	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	404.679	0.004	0.000
△	75.730			58.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR					
◇	78.000													
□	120.730													
⊠	123.000													

DATA000000.FIG00E CCSD TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

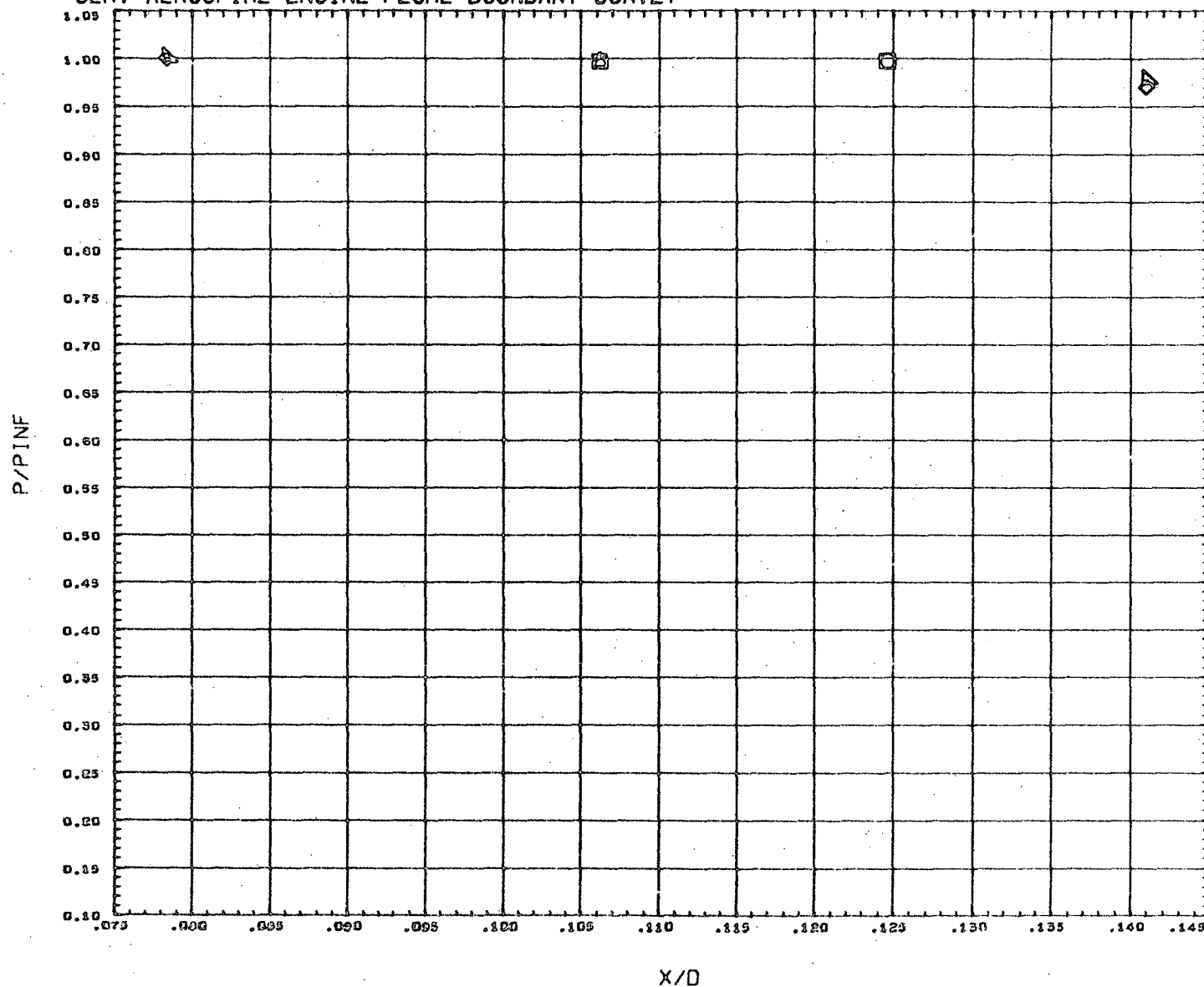
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
◇	45.730	200.173	0.086	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730			50.000	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	78.000											
□	120.730											
△	123.000											

00000000.F000E CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



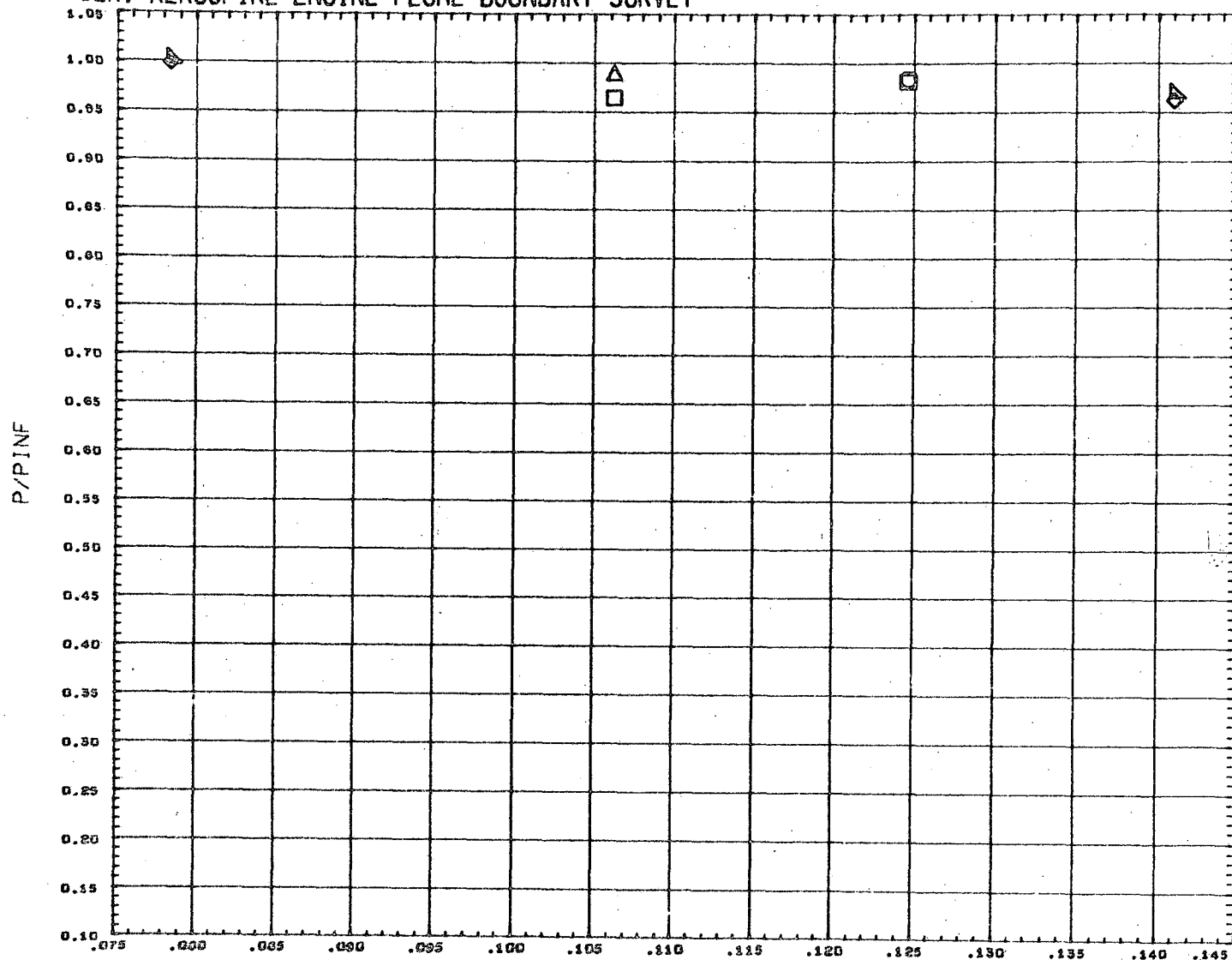
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	E/DOOR	PC	PARAMETRIC VALUES	ALPHA	WS/WFC
◇	45.730	304.463	0.074	572.557	50. IN.	27.000	INCHES	0.000	DIAMTR	0.000	0.000	0.004	0.000	0.000
△	75.730			27.000	INCHES	27.000	INCHES	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000
◇	78.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000
△	120.730			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000
◇	123.000			0.000	DIAMTR	0.000	DIAMTR	0.000	DIAMTR	0.000	0.000	0.000	0.000	0.000

00000000.F000E CC09 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	FRATIO	MACH
◇	45.730	401.790	0.123
△	75.730		
◇	75.000		
□	120.730		
□	123.000		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XMRP	0.000	DIAMTR
YMRP	0.000	DIAMTR
ZMRP	0.000	DIAMTR

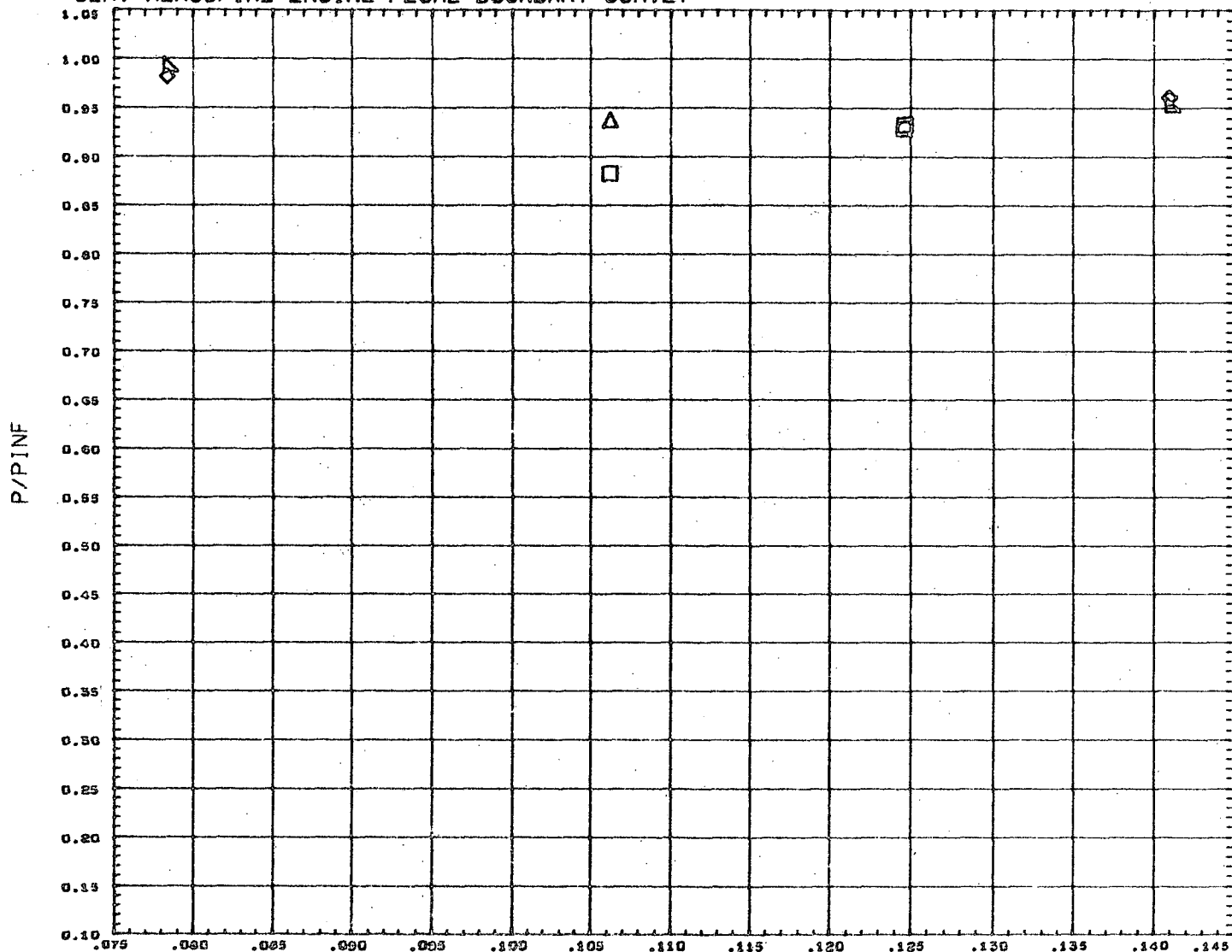
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
FC	404.679	WS/WFC	0.000

DATA 000000.FIC00E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL
 O
 Δ
 □
 ◇
 N

THETA
 45.730
 75.730
 76.000
 120.730
 123.000

PRATIO
 481.607

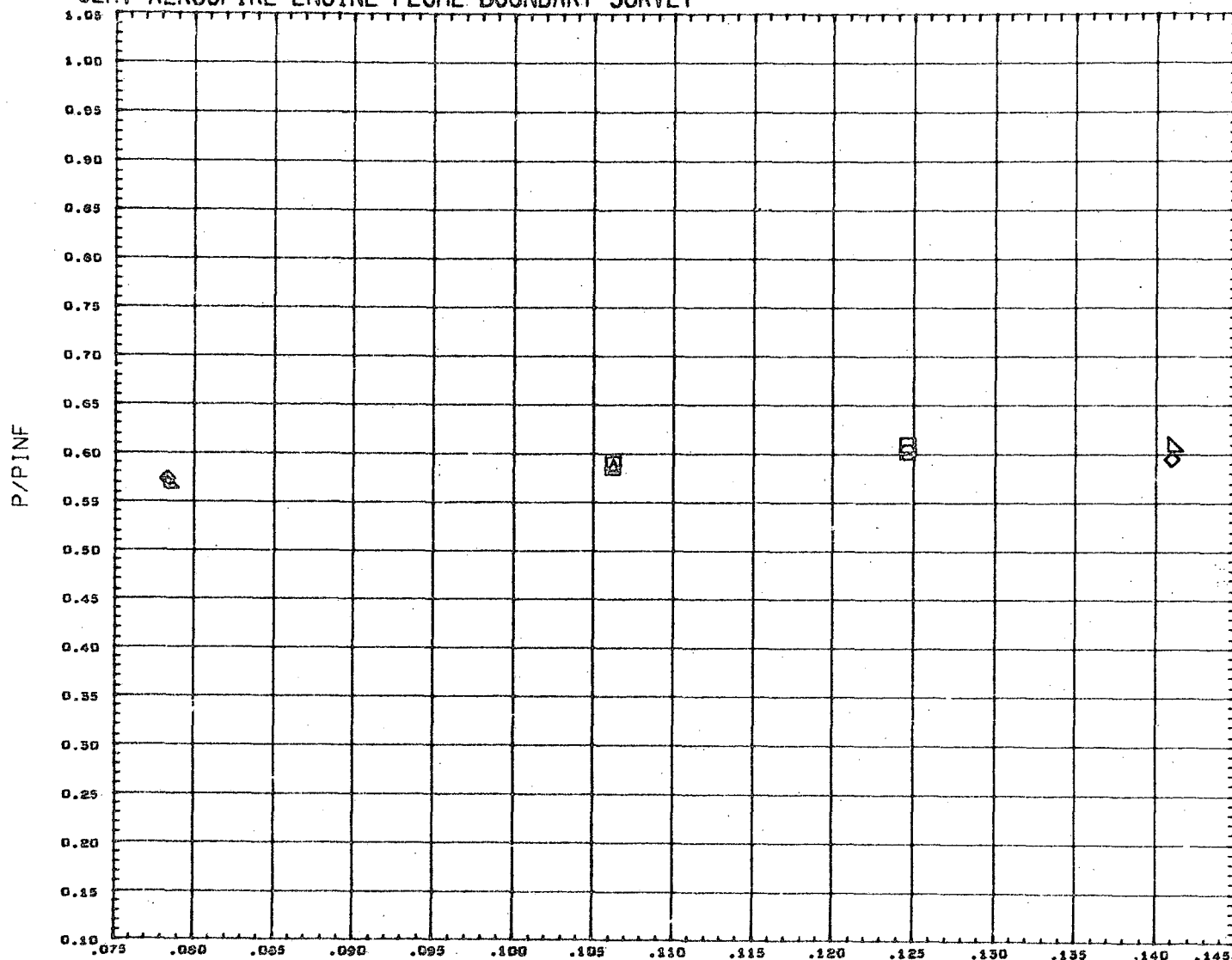
MACH
 0.131

SREF 572.557 50. IN.
 LREF 27.000 INCHES
 BREF 27.000 INCHES
 XMRP 0.000 DIAMTR
 YMRP 0.000 DIAMTR
 ZMRP 0.000 DIAMTR

PARAMETRIC VALUES
 E/DOOR 0.000 ALPHA 0.004
 PC 404.679 WS/WFC 0.000

DATA ACQUISITION CODE CCSD TM-AP-70-049

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

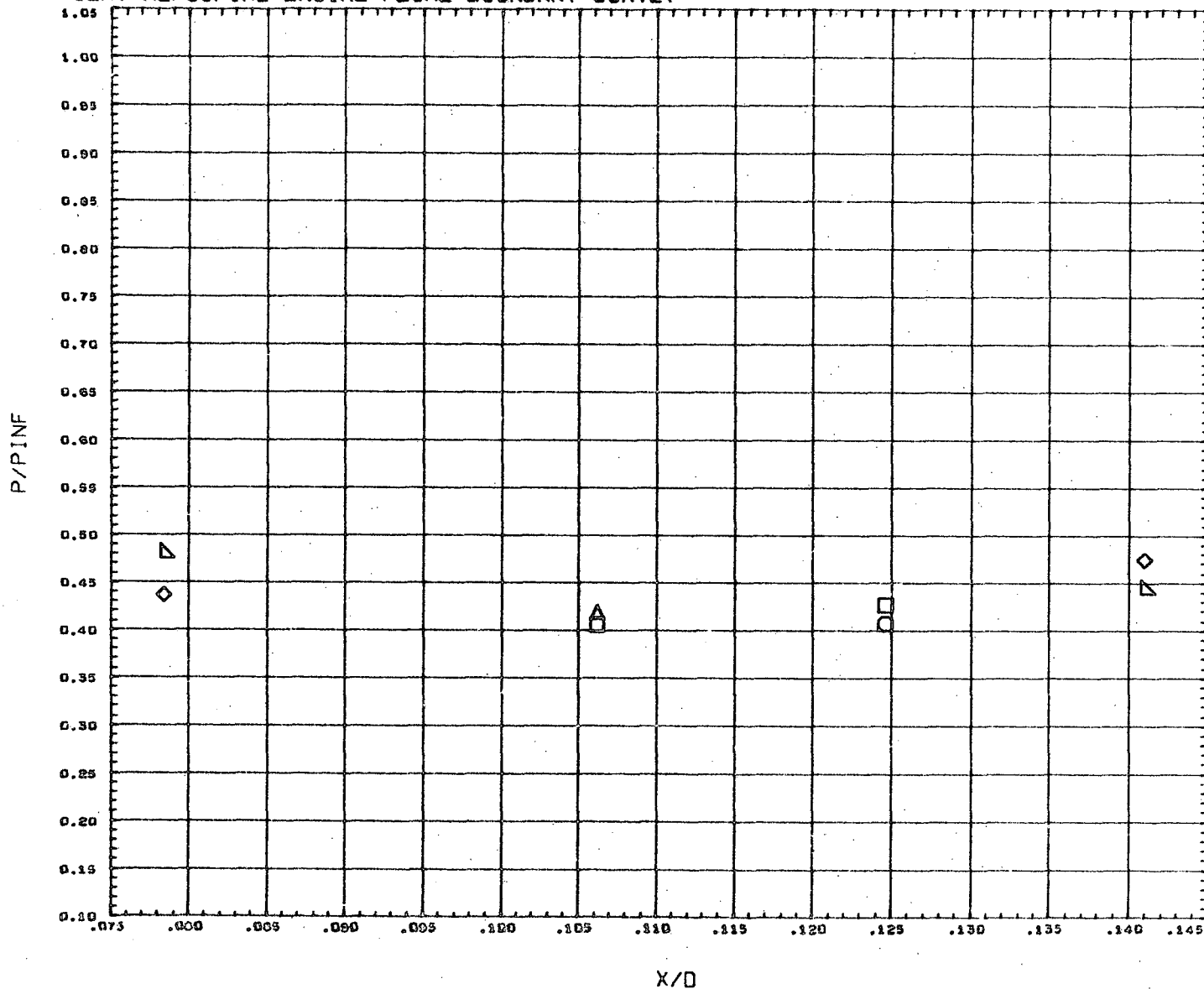
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○	45.730	201.700	0.600	572.557	27.000	27.000	0.000	0.000	0.000	59.000	INCHES	0.000	404.679	0.004	0.000	0.000
△	75.730															
◇	76.000															
□	129.730															
▽	123.000															

DATA SOURCE: FLOW CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT70401)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



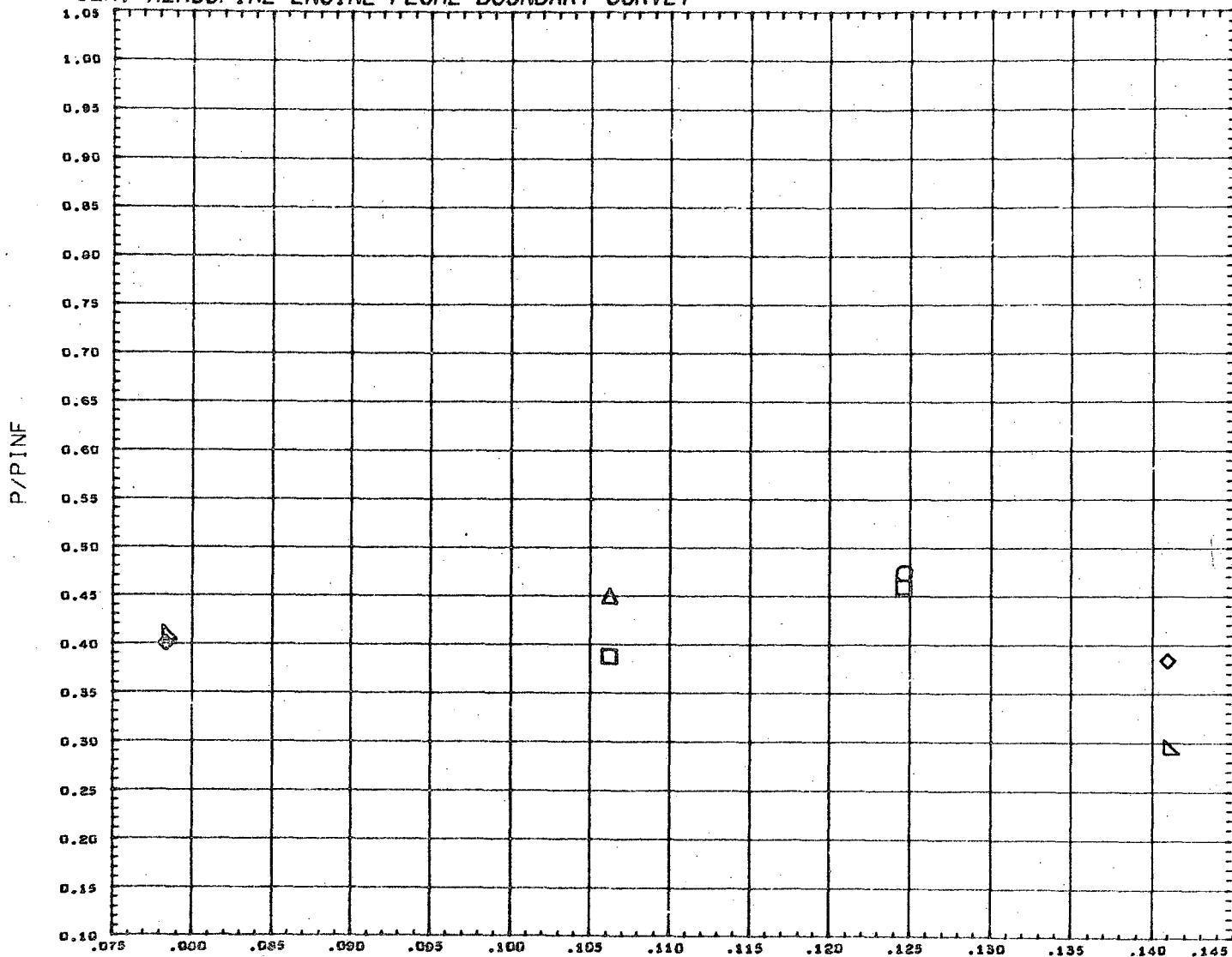
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◇	45.730	401.290	0.598	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000
△	75.730													
◇	78.000													
□	120.730													
◇	123.000													

DSH000100.FIG02E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

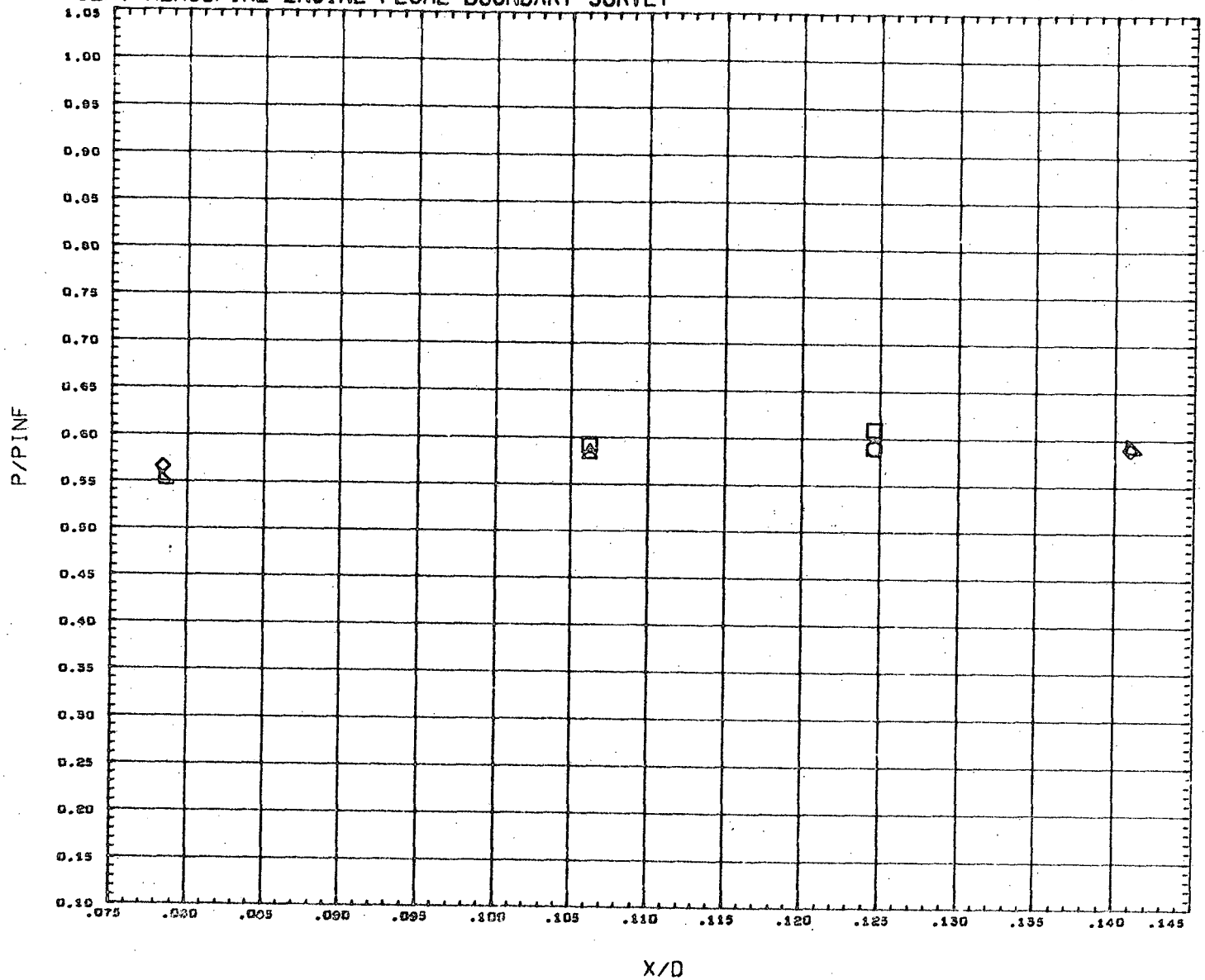
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○	45.730	576.883	0.598	LREF	27.000	INCHES	0.000	ALPHA 0.004
△	75.730			BREF	27.000	INCHES	PC	404.679 WS/WPC 0.000
◇	78.000			XMRP	0.000	DIAMTR		
□	120.730			YMRP	0.000	DIAMTR		
▽	123.000			ZMRP	0.000	DIAMTR		

DEFORBOSS.FOCSE CC80 TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



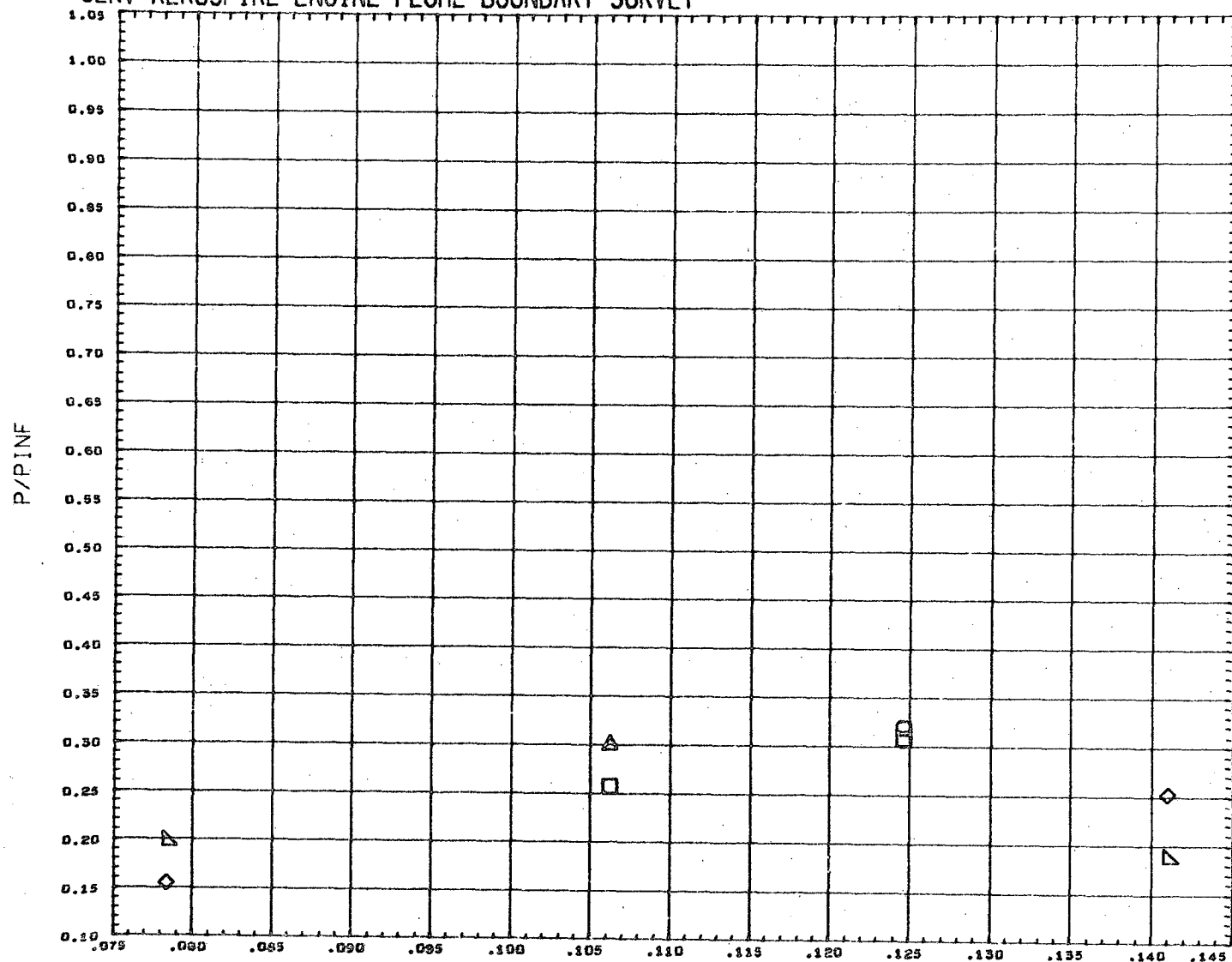
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◇	45.730	302.353	0.801	SREF	572.557	50. IN.	E/DOOR	0.000	ALPHA	0.004
△	75.730			LREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
◇	78.000			BREF	27.000	INCHES				
◇	120.730			XMRP	0.000	DIAMTR				
◇	123.000			YMRP	0.000	DIAMTR				
◇				ZMRP	0.000	DIAMTR				

0040R0000.FECEE CCCS TN-AP-70-446

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

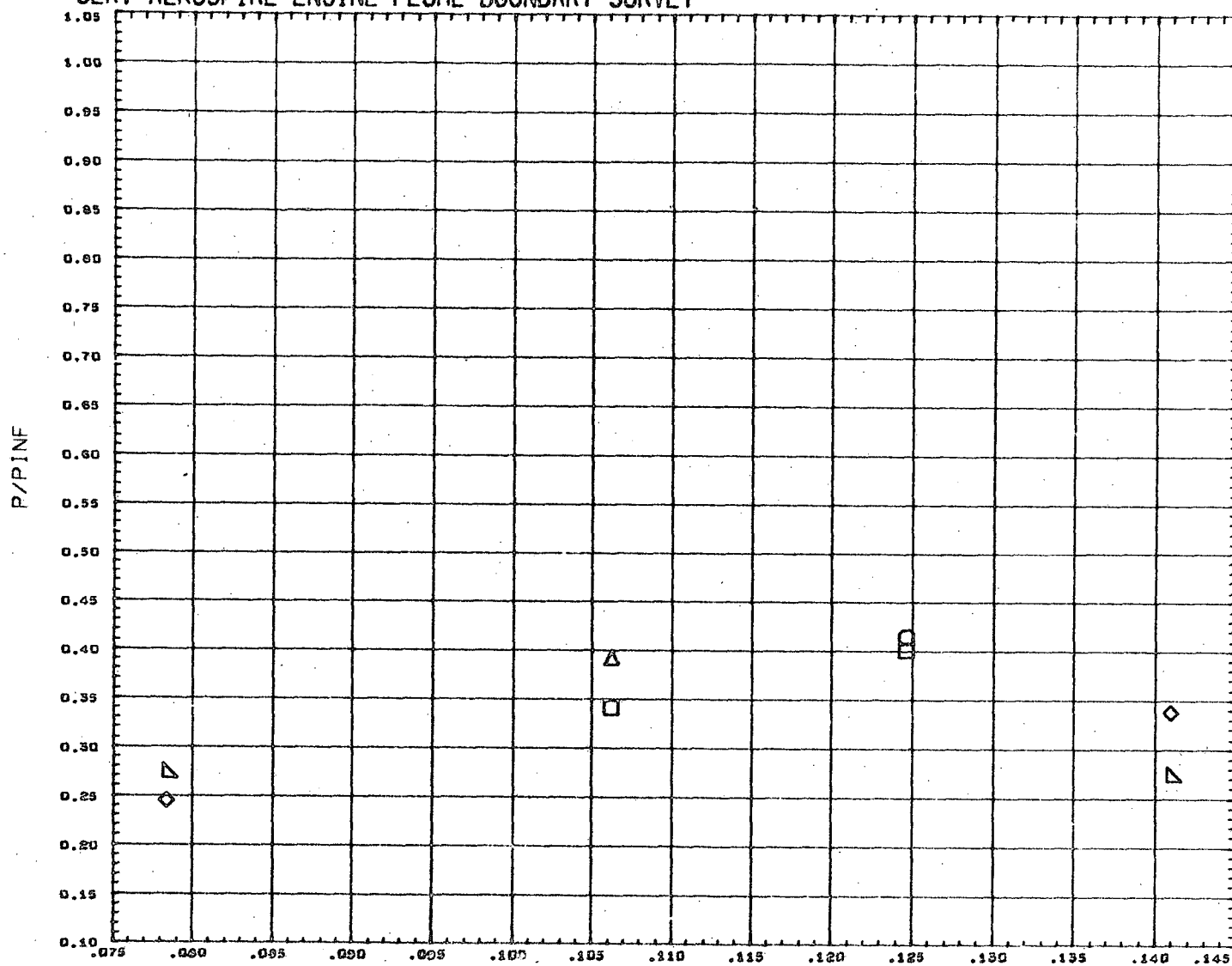
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
◇	45.730	400.037	0.798	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000
◇	79.000											
□	120.730											
△	123.000											

00000000.F000E CC60 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

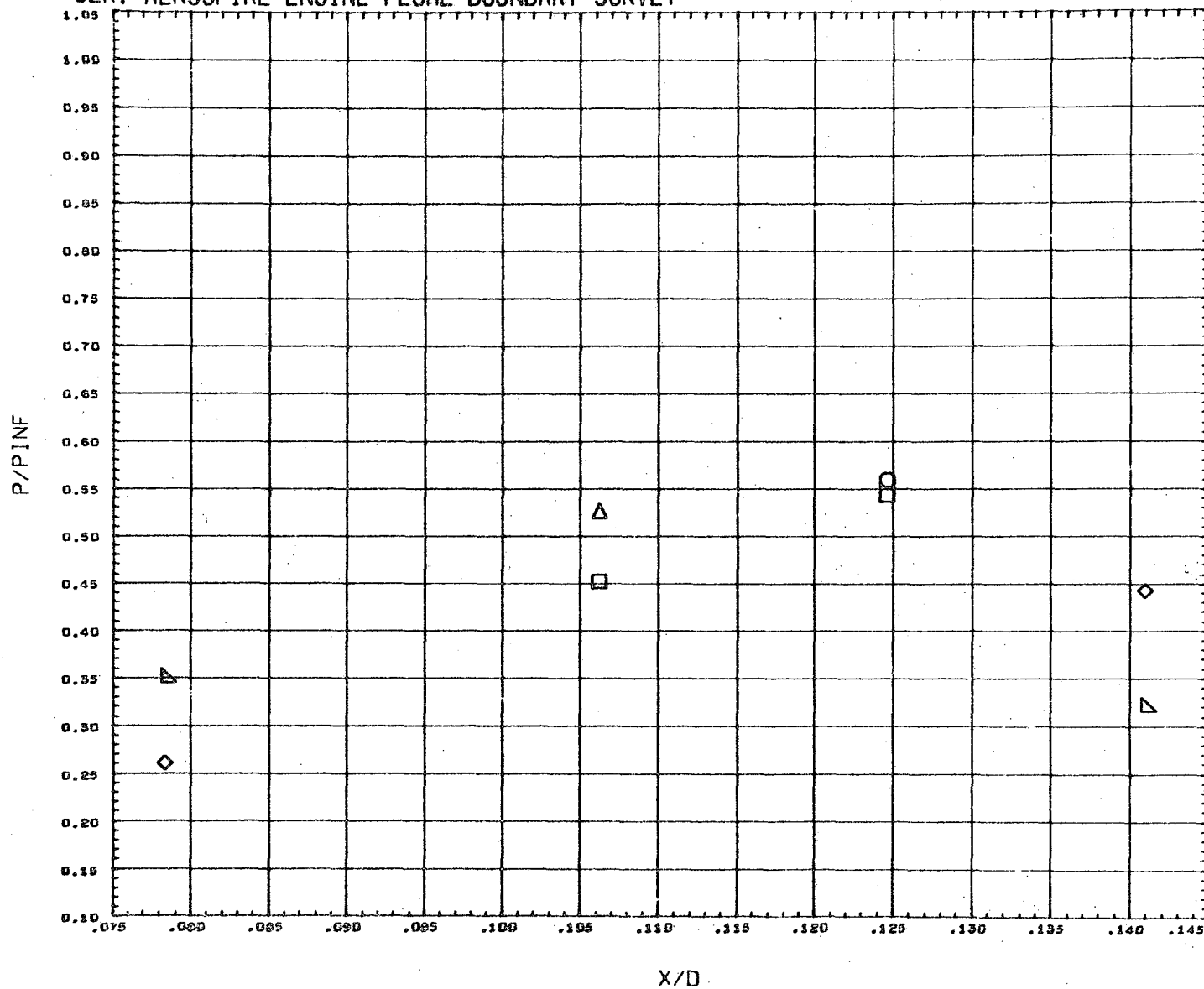
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRF	YMRF	ZMRF	E/DOOR	PC	PARAMETRIC VALUES
○	45.730	499.307	0.799	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730											WS/WFC 0.000
◇	78.000											
□	120.730											
▽	123.000											

050300000.F003E CCSD TN-AP-70-040

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	PRATIO	NACH
○	45.730	600.002	0.803
◇	75.730		
□	120.730		
△	123.000		

SREF	572.557	SQ. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XHRP	0.000	DIAMTR
YHRP	0.000	DIAMTR
ZHRP	0.000	DIAMTR

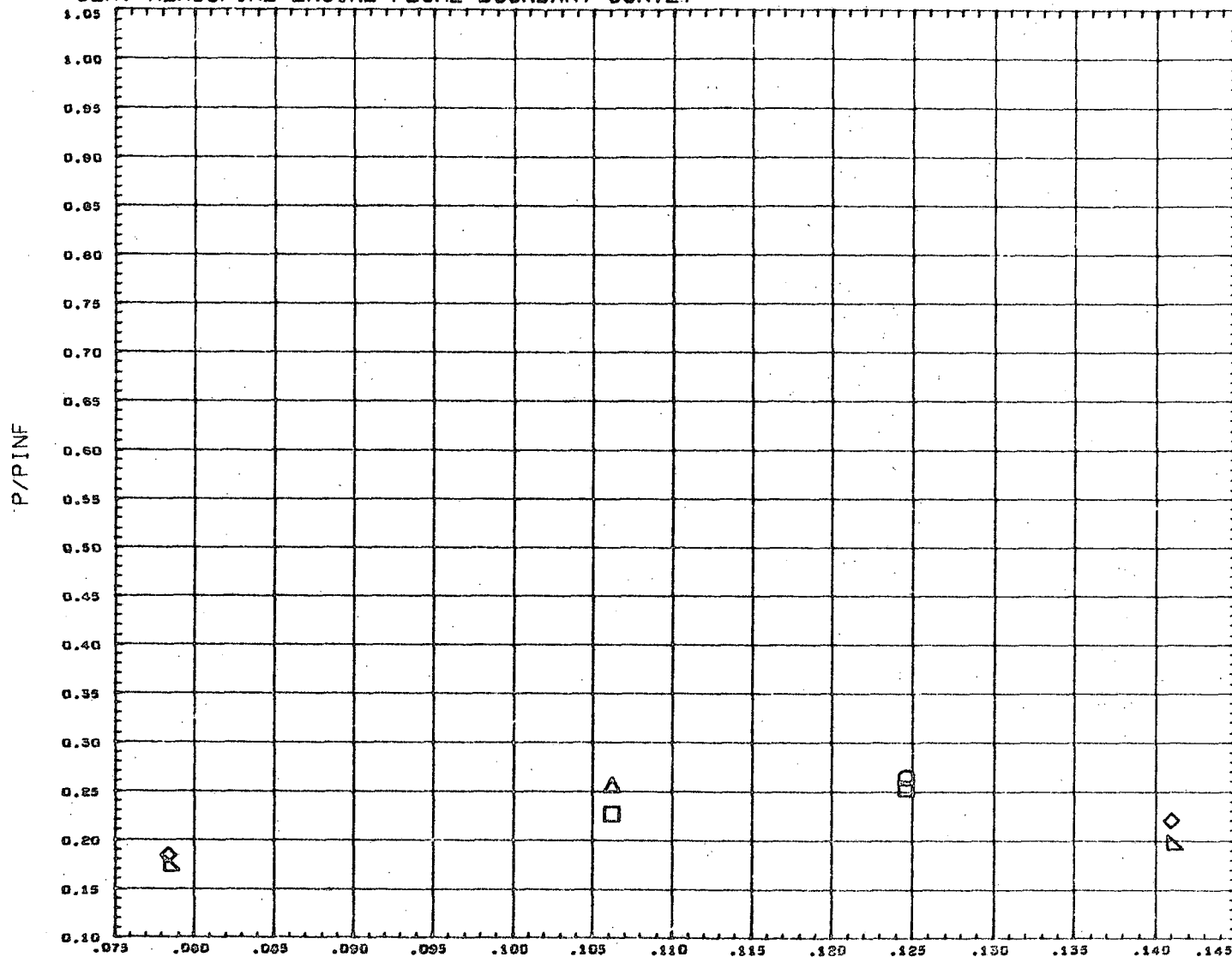
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

00000000.F0000 CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

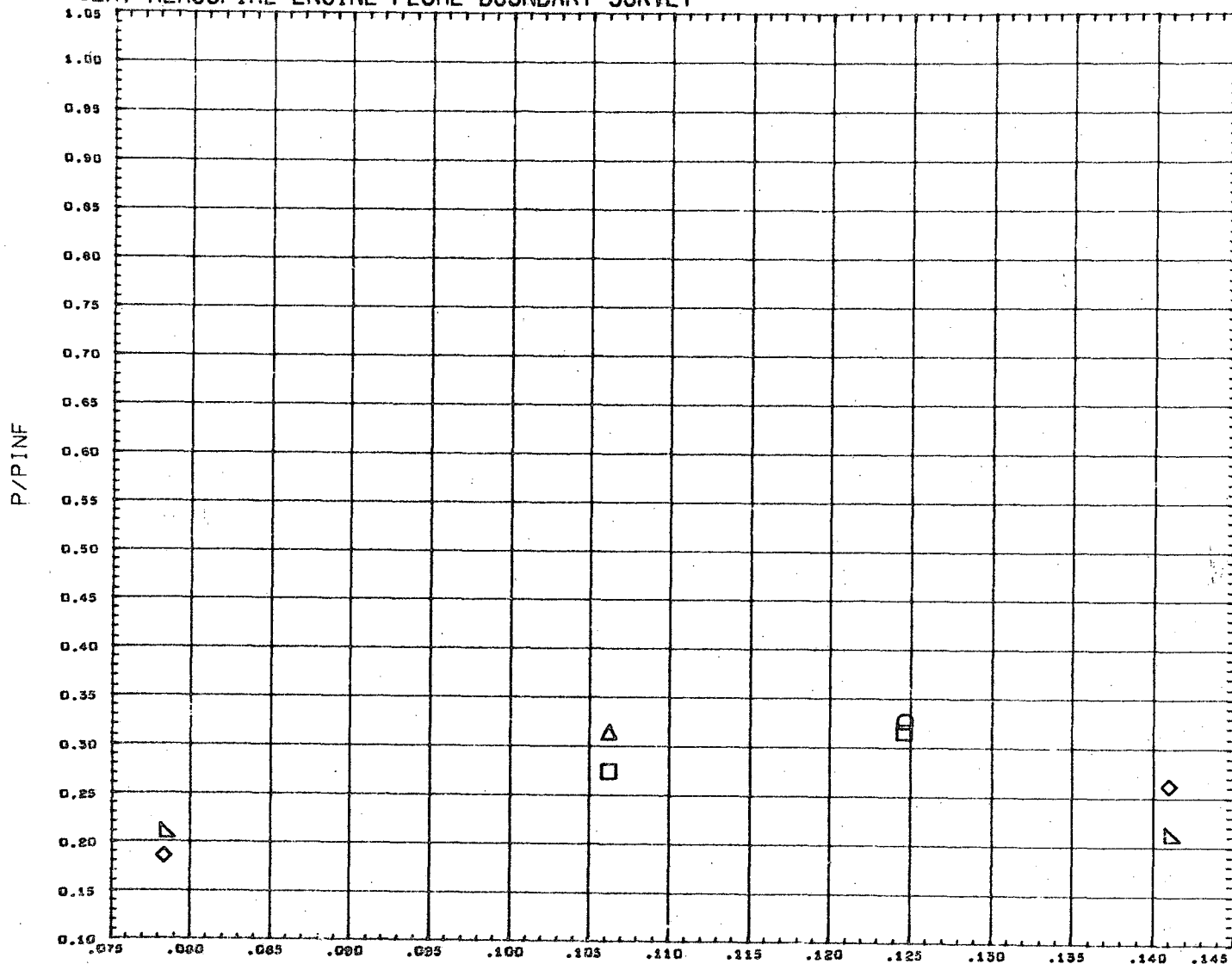
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XREF	YREF	ZREF	PARANETRIC VALUES
○	45.730	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALFNA 0.004
△	75.730			27.000	INCHES	INCHES	PC 404.679	WS/WFC	0.000	
◇	78.000			0.000	DIAMTR	DIAMTR				
□	120.730			0.000	DIAMTR	DIAMTR				
⊠	123.000			0.000	DIAMTR	DIAMTR				

004588003.F000E CCSD TN-AP-70-443

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	PRATIO	MACH
△	45.735	399.707	0.900
◇	75.735		
□	75.000		
△	125.735		
◇	125.000		

SREF	572.557	50. IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XREF	0.000	DIAMTR
YREF	0.000	DIAMTR
ZREF	0.000	DIAMTR

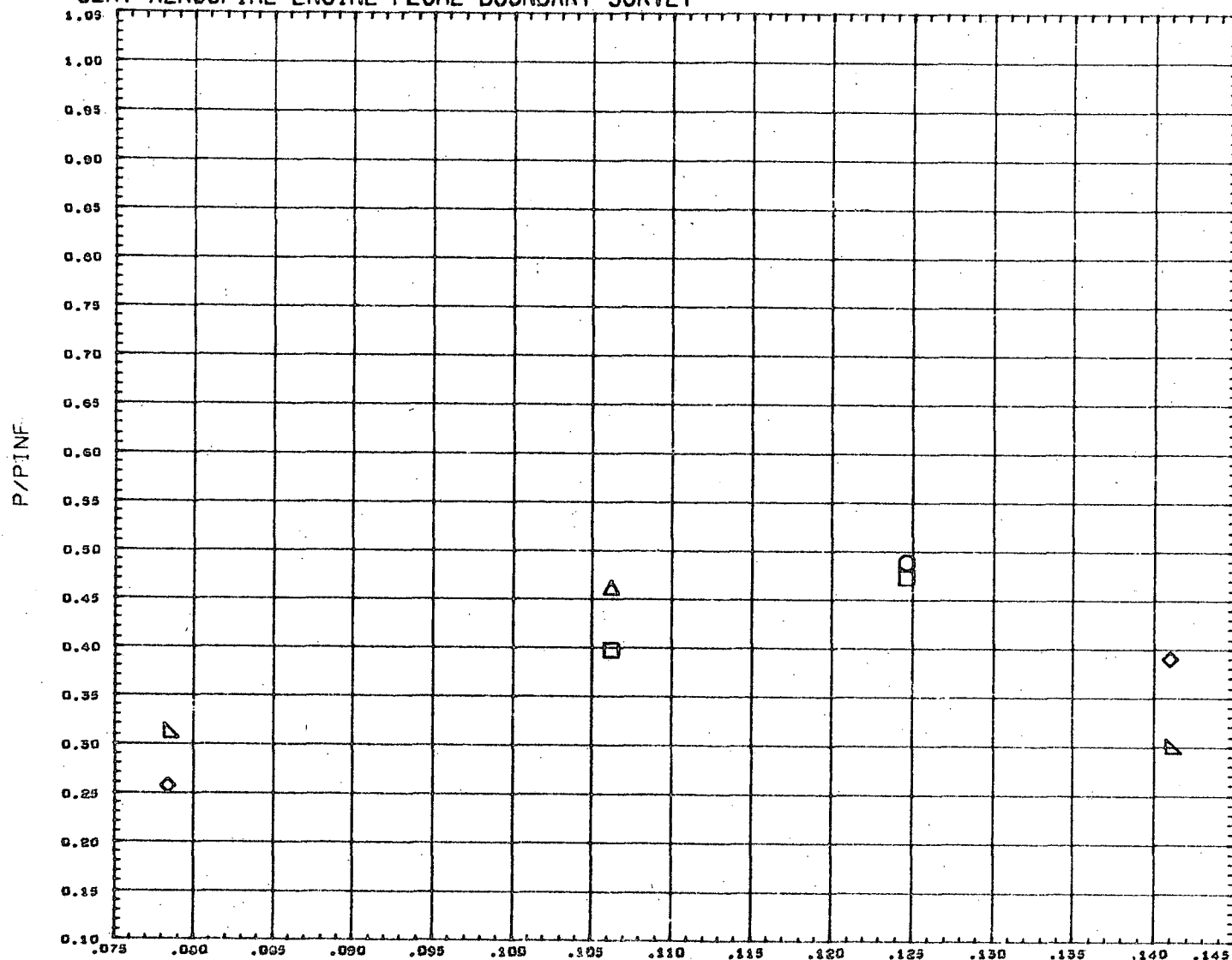
PARAMETRIC VALUES			
E/DOOR	7.000	ALPHA	0.004
PC	404.679	WS/WPC	0.000

B37AR000.FIC00 CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

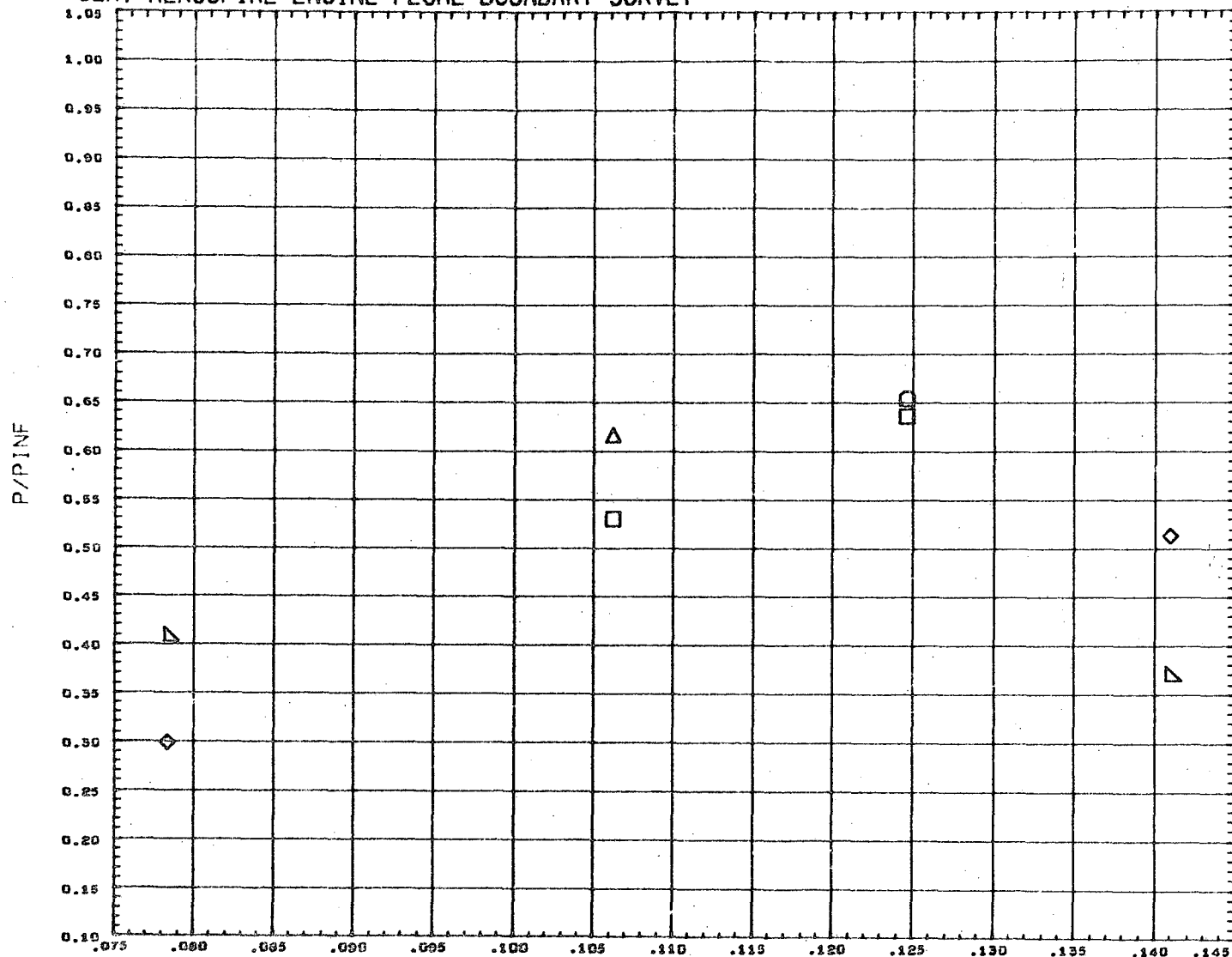
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◇	75.730			BREF	27.000	INCHES					
◇	78.000			XMRP	0.000	DIAMTR					
◇	120.730			YMRP	0.000	DIAMTR					
◇	123.000			ZMRP	0.000	DIAMTR					

DATA REFS. FCCSE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

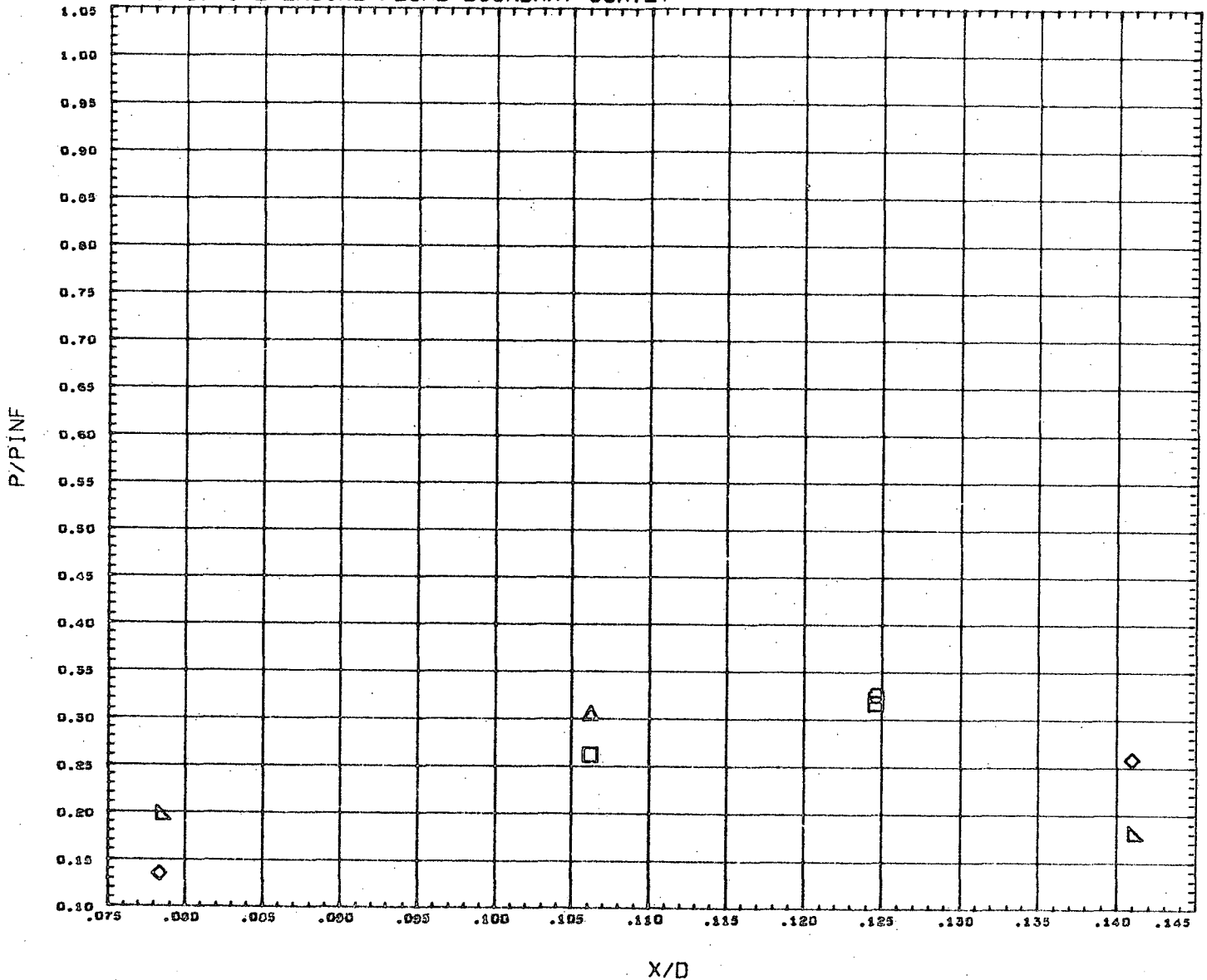
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○	45.730	612.557	0.902	SREF	572.557	50.IN.	E/DOOR	0.000	ALPHA	0.004
△	73.730			LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
◇	78.000			BREF	27.000	INCHES				
□	120.730			XMRP	0.000	DIAMTR				
◻	123.000			YMRP	0.000	DIAMTR				
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88788888.FEC02E CC80 TR-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



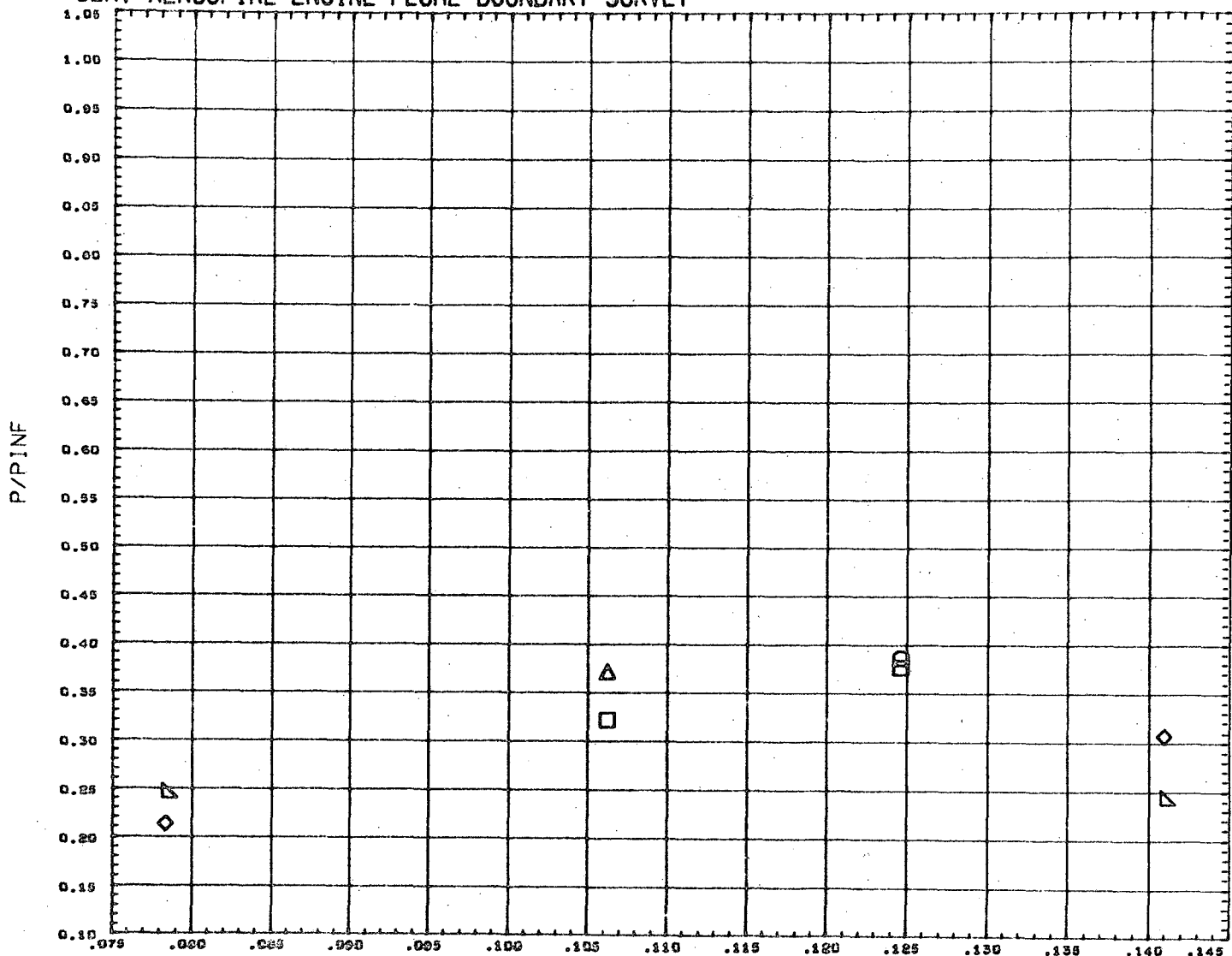
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○	45.730	393.993	1.100	LREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
△	75.730			BREF	27.000	INCHES				
◇	70.000			XMRP	0.000	DIAMTR				
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⊞	123.000			ZMRP	0.000	DIAMTR				

00000000.FC00E CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



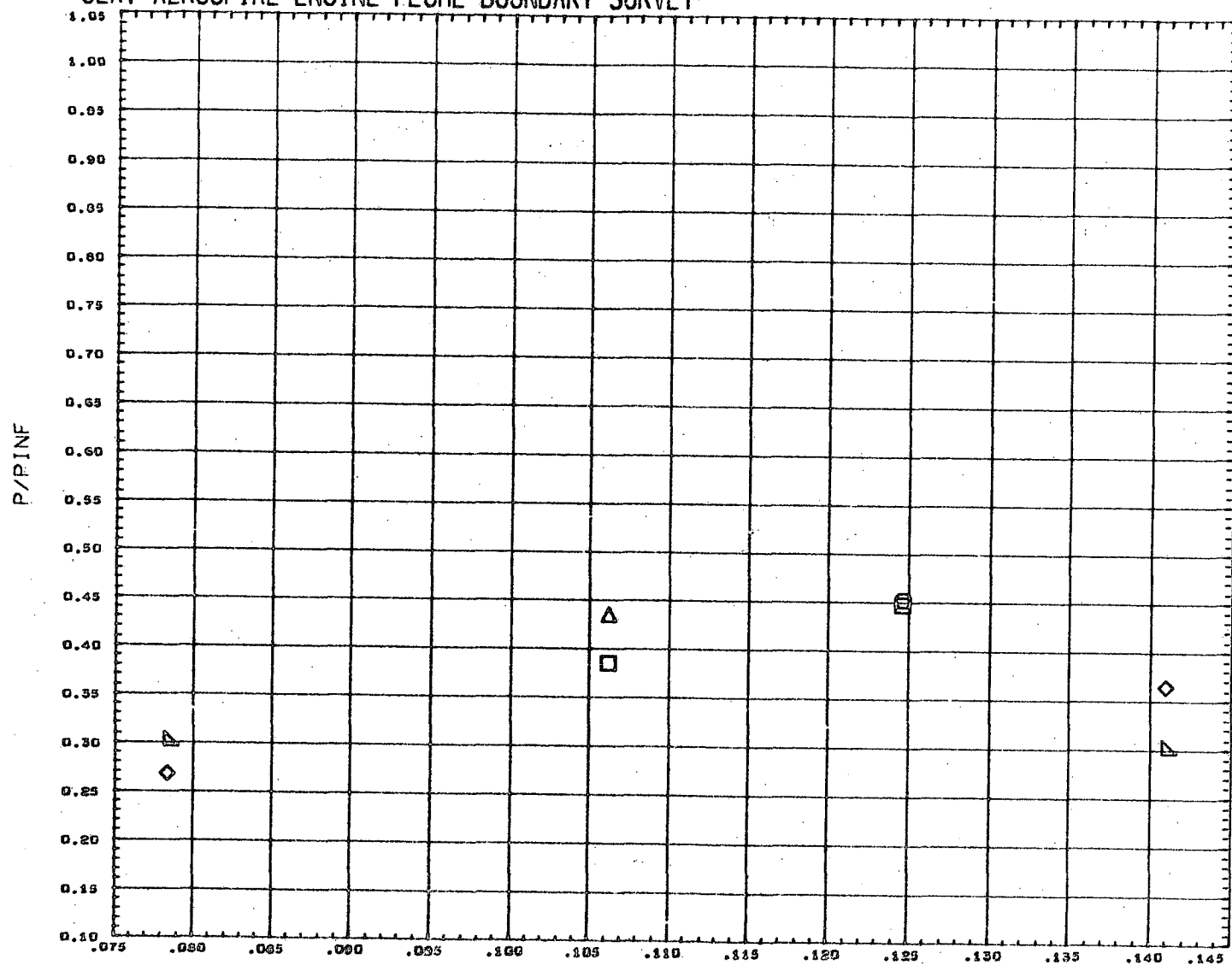
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES	
○	45.730	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA 0.004
△	75.730			BREF	27.000	INCHES		404.679	WS/WFC 0.000
◇	78.000			XMRP	0.000	CIAMTR			
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▽	123.000			ZMRP	0.000	CIAMTR			

BSNBR3008.F000E CCSD TN-AP-70-449

AEOC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



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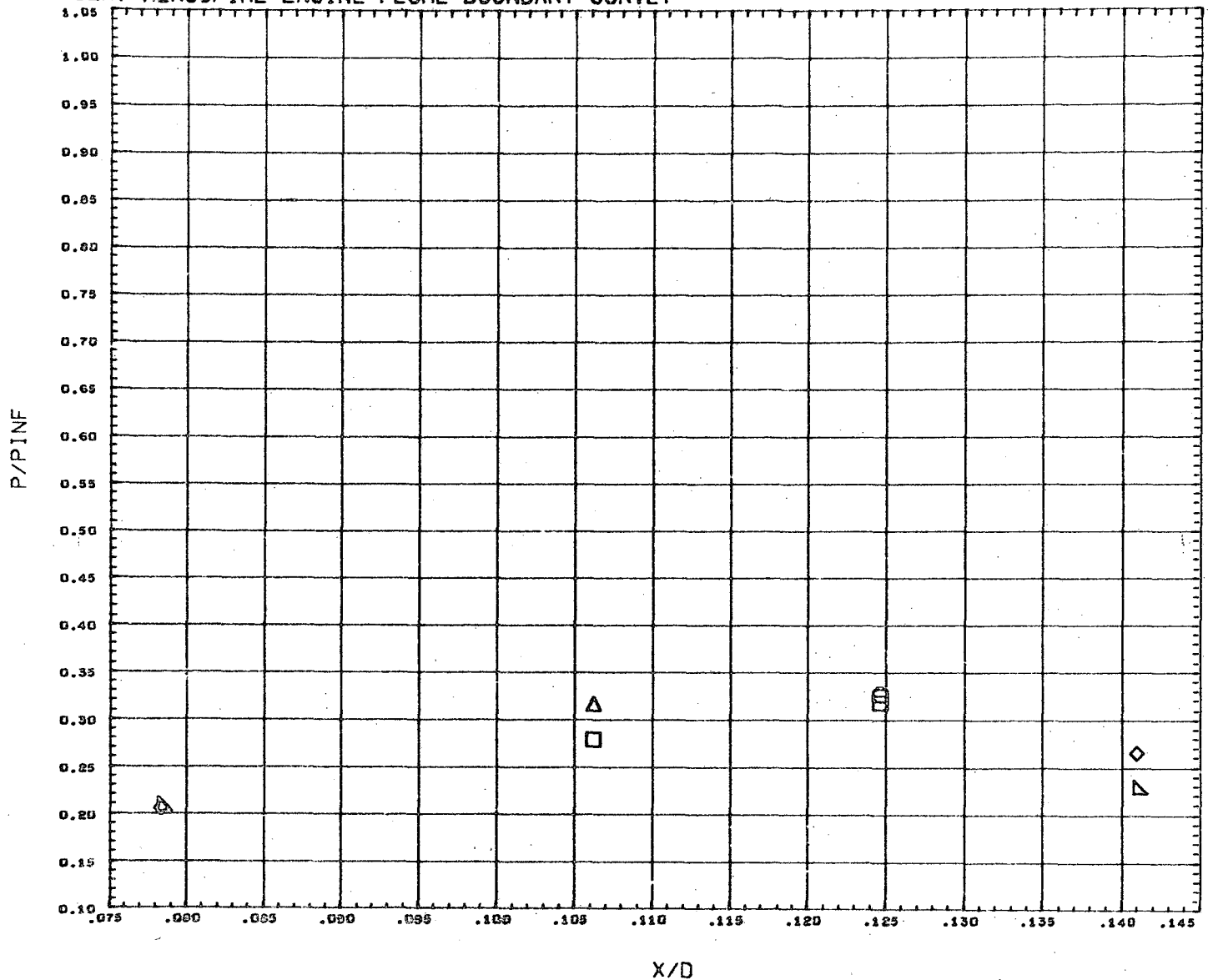
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○	45.730	599.127	1.089	572.957	27.000	27.000	0.000	0.000	0.000	56.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.004	0.000	0.000
△	75.730																			
◇	78.000																			
□	120.730																			
▽	123.000																			

DATA SOURCE: FIGURE CCSD TN-AP-70-349

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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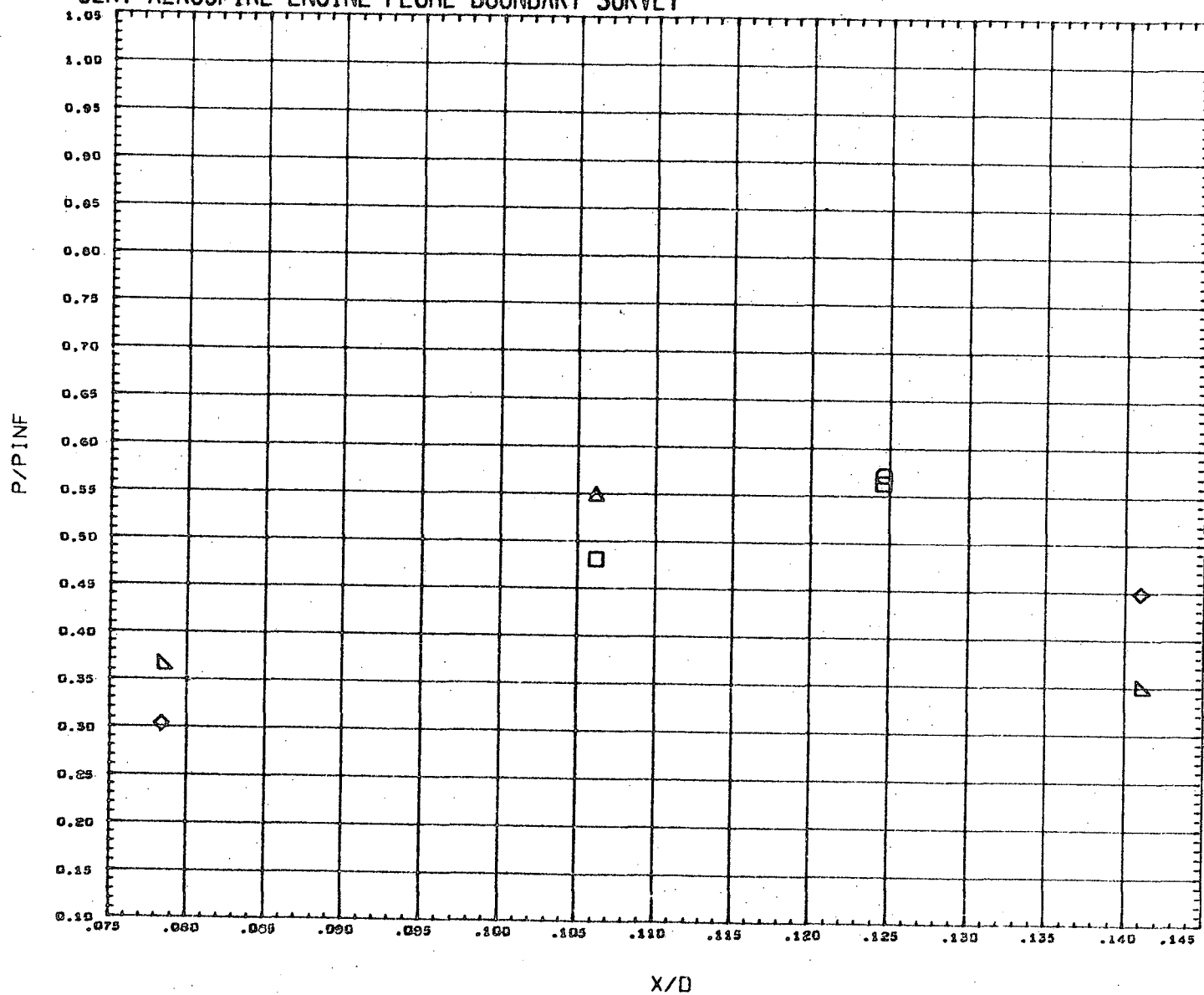
SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	E/DOOR	PC	PARAMETRIC VALUES
○	45.730	406.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.730			59.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC 0.000
◇	78.000											
□	120.730											
△	123.000											

DATA SOURCE: FUDGE CCSD TN-AP-70-043

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

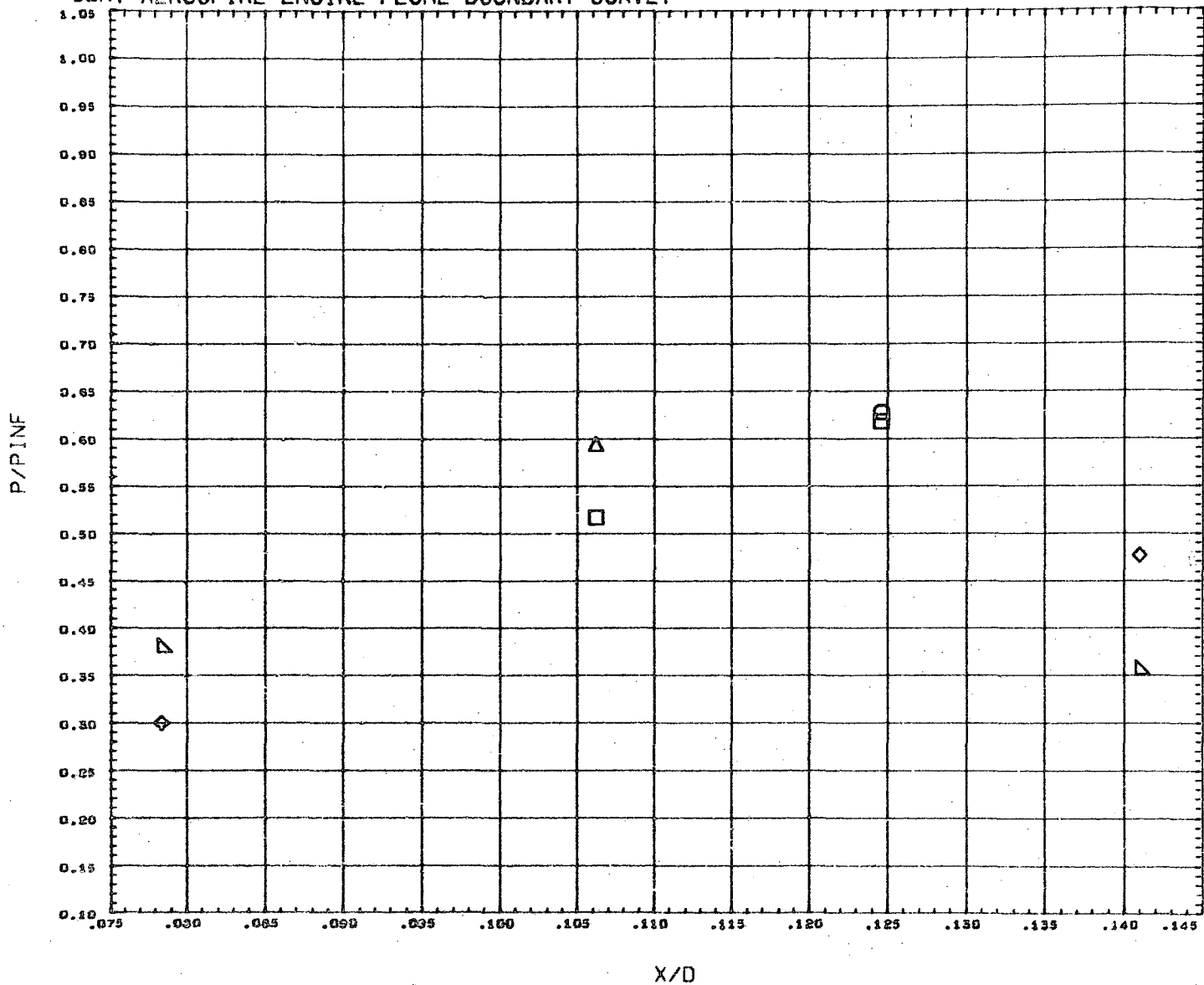
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○	45.730	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA	0.004
△	75.730			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC	0.000
◇	70.000												
□	120.730												
⊠	123.000												

0570500001.FEC0E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



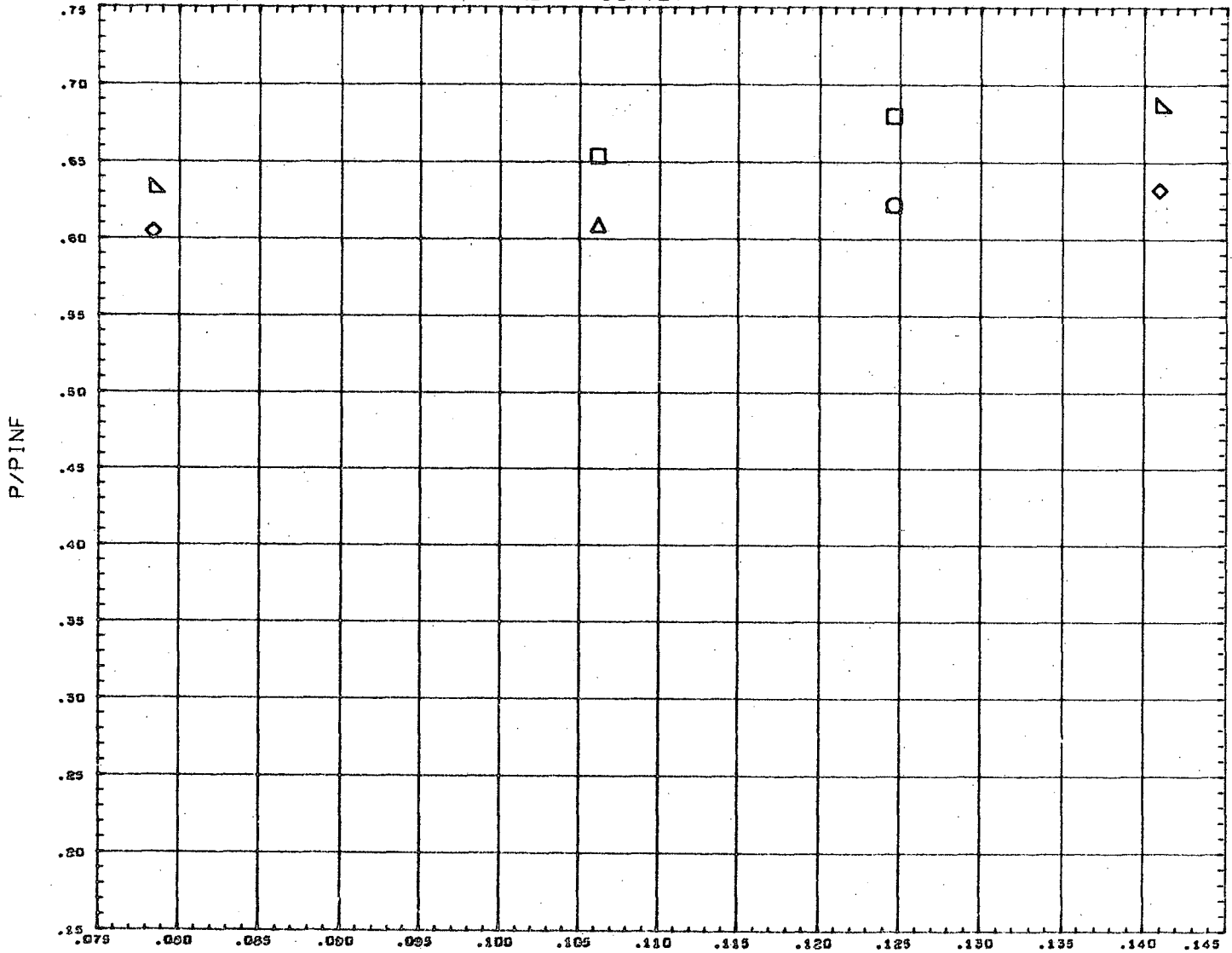
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◇	43.730	831.960	1.248	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	0.000	ALPHA	0.004
△	75.730			58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WPC		
◇	78.000													
□	120.730													
△	123.000													

05758303.FE02E CCSD TN-AP-70-445

AEOC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

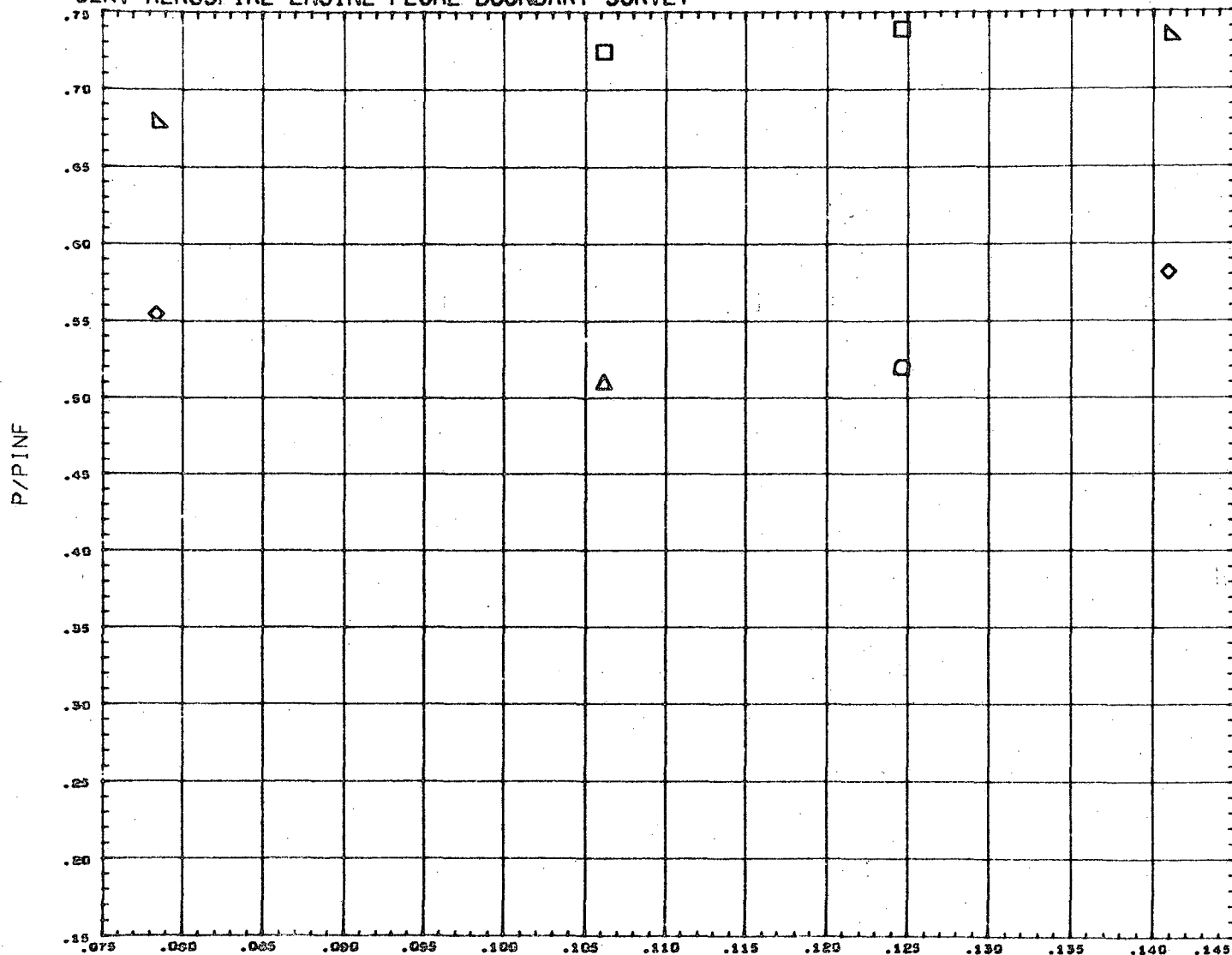
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○	45.730	202.083	0.599	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	75.730			BREF	27.000	INCHES	PC 402.996	WS/WFC 0.000
◇	78.000			XNRF	0.000	DIAMTR		
□	120.730			YNRF	0.000	DIAMTR		
◻	123.000			ZNRF	0.000	DIAMTR		

00000000.FIC0E CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

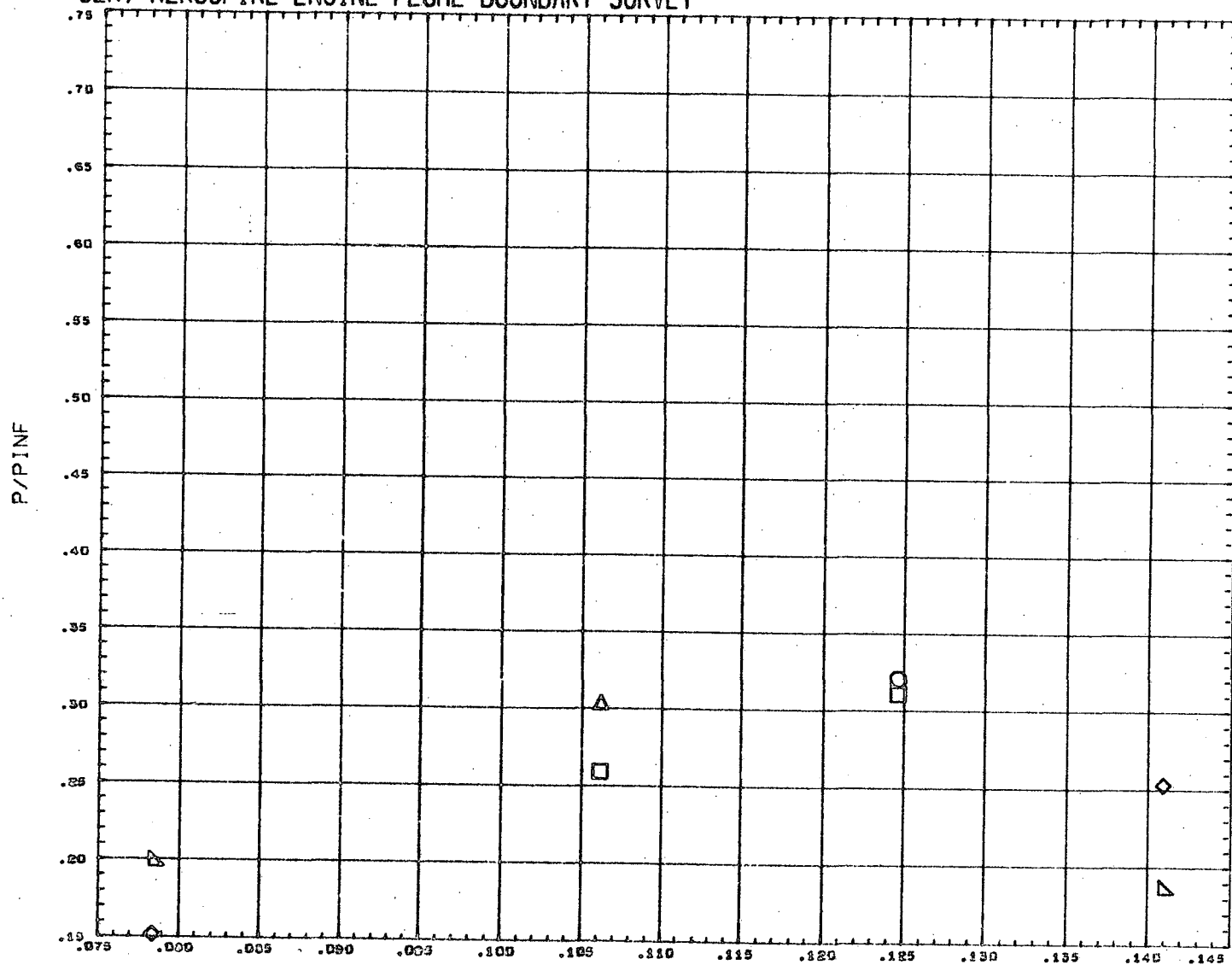
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△	75.730			BREF	27.000	INCHES				
◇	70.000			XREF	0.000	CIAMTR				
□	120.730			YREF	0.000	CIAMTR				
▽	123.000			ZREF	0.000	CIAMTR				

DATA REDUCED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

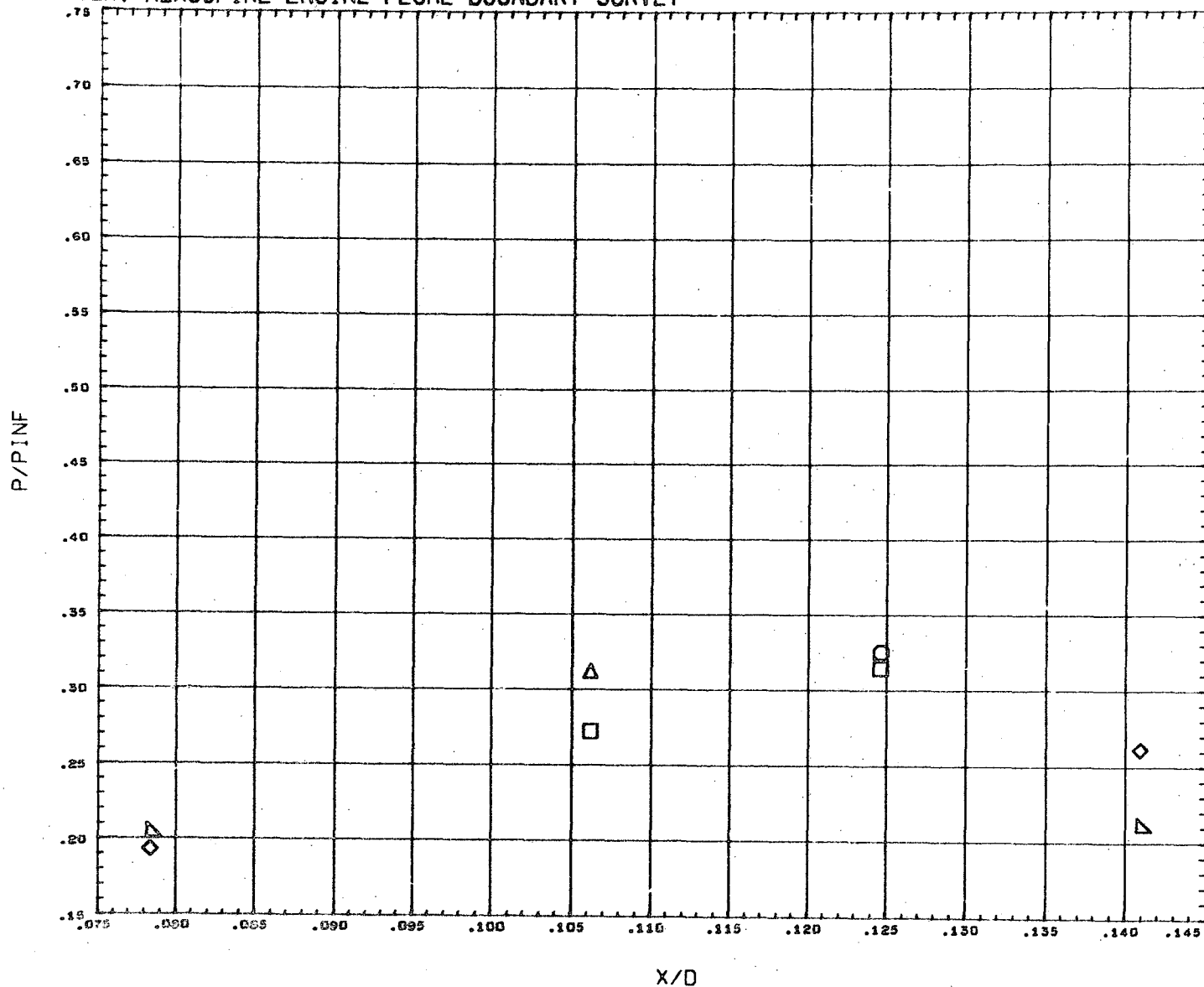
SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XMRP	YMRP	ZMRP	PARAMETRIC VALUES
○	45.730	398.487	0.899	572.557	27.000	27.000	0.000	0.000	0.000	50.000 INCHES
△	75.730									INCHES
◇	78.000									DIAMTR
□	120.730									DIAMTR
▽	123.000									DIAMTR

DATA SOURCE: FLOE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



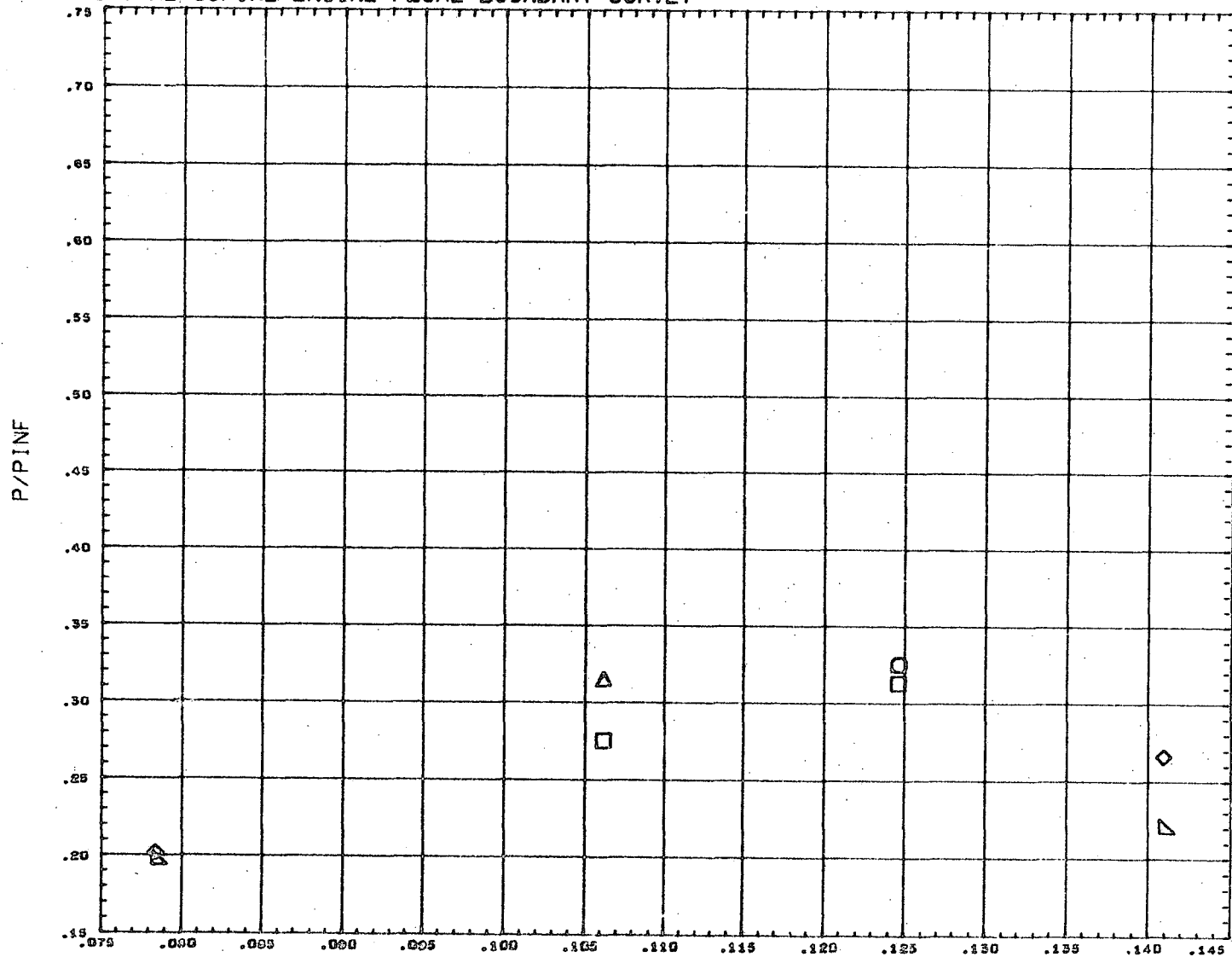
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◇	78.000			BREF	27.000	INCHES	ALPHA
□	120.730			XNRP	0.000	DIAMTR	0.022
◇	123.000			YNRP	0.000	DIAMTR	0.000
				ZNRP	0.000	DIAMTR	

DEVELOPMENT ENGINE CCSD TN-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL

THETA

PRATIO

MACH

○
△
◇
□
◻

45.730
75.730
76.000
120.730
123.000

400.737

1.253

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

50.IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
FC

PARAMETRIC VALUES

0.000
402.996

ALPHA
WS/WFC

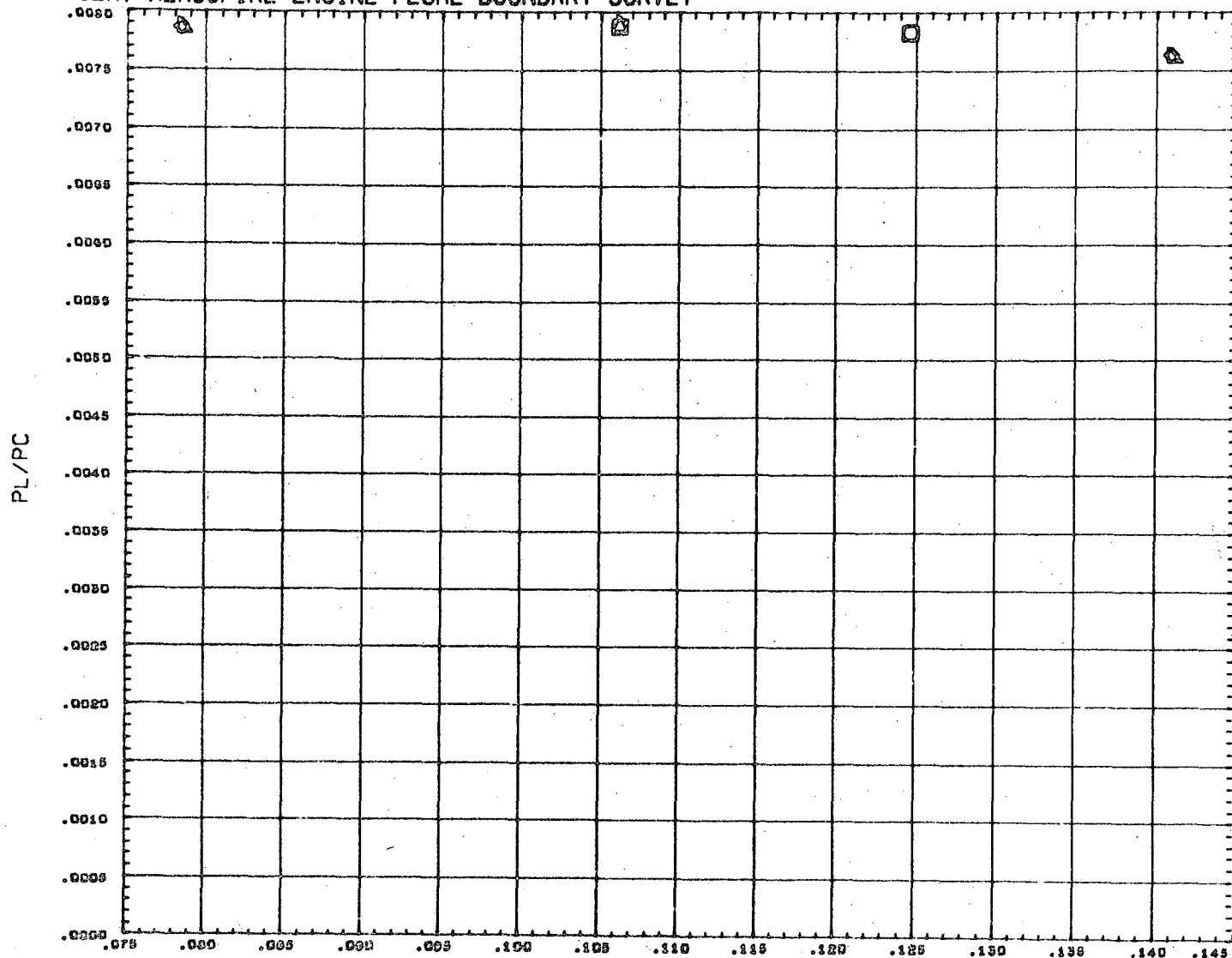
8.022
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DATA0000.F000E CC09 TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (BT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

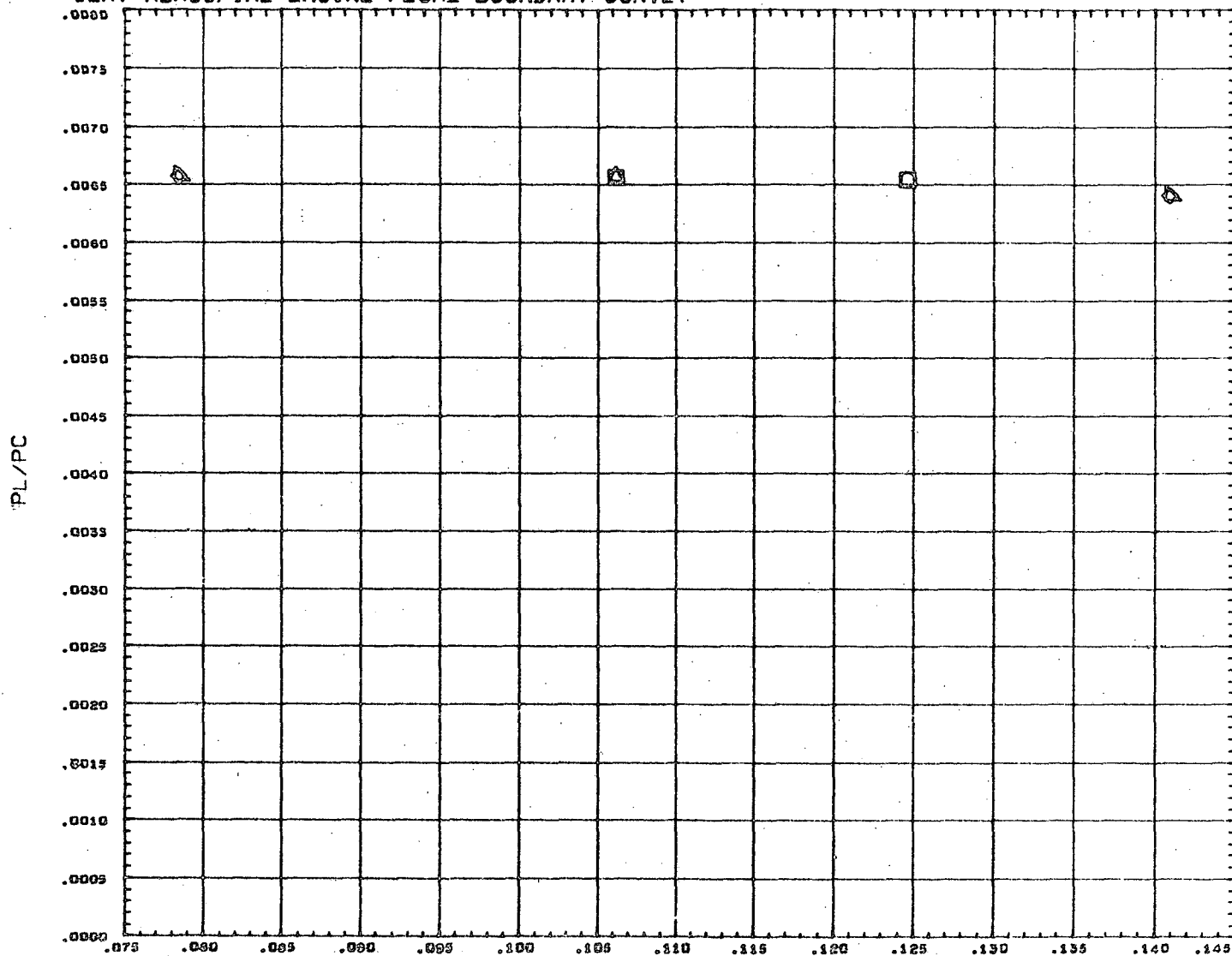
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□	75.730			BREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	76.000			XMRP	0.000	DIAMTR				
△	120.730			YMRP	0.000	DIAMTR				
△	123.000			ZHRF	0.000	DIAMTR				

0572R0000.F500E CC89 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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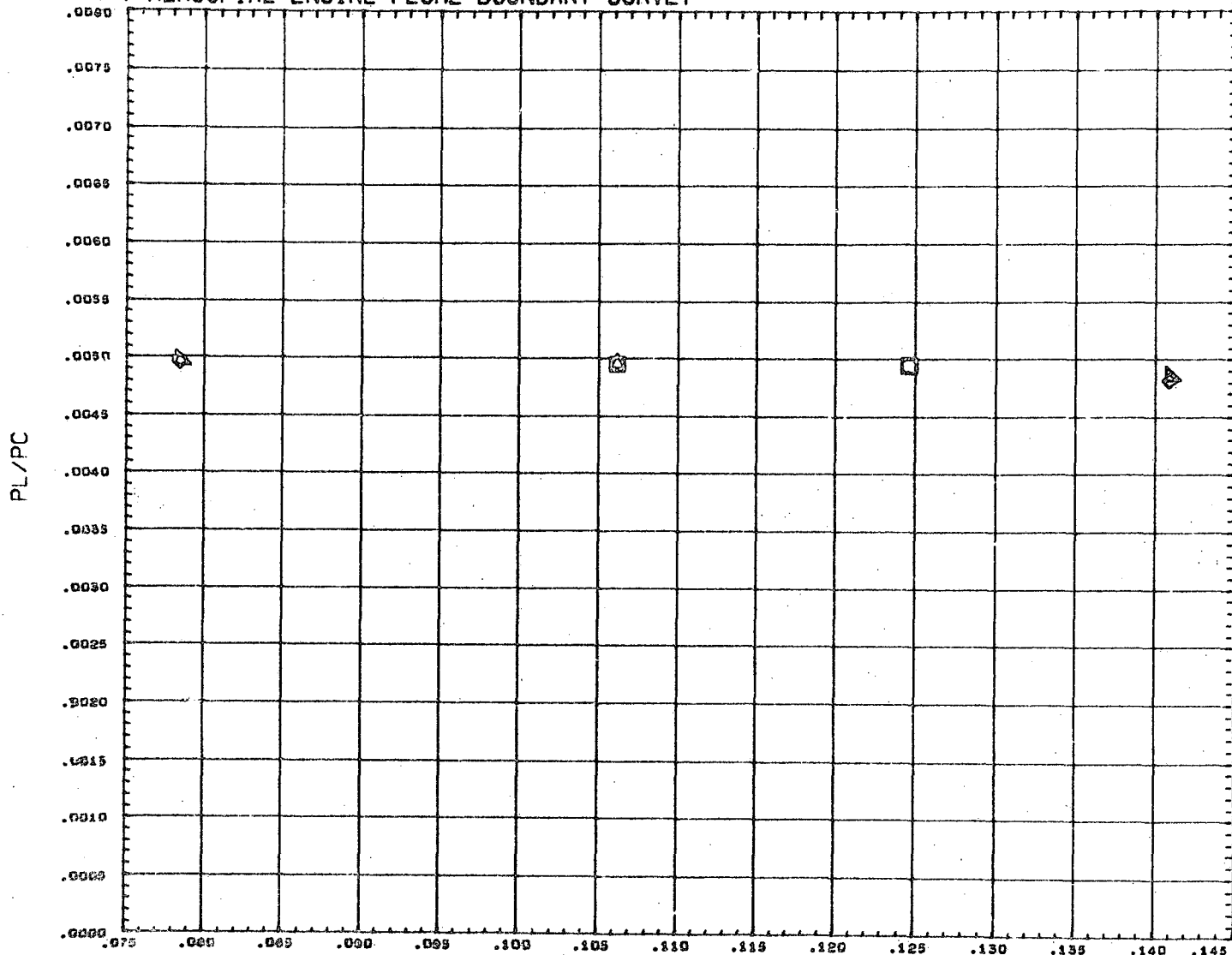


X/D

SYMBOL	THETA	FRATIO	MACH	SREF	572.557	SQ. IN.	E/DOOR	PARAMETRIC VALUES	0.004
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◇	75.730			BREF	27.000	INCHES	FC	404.679	WS/WFC
◊	70.000			XMRP	0.000	DIAMTR			
◻	120.730			YMRP	0.000	DIAMTR			
◼	123.000			ZMRP	0.000	DIAMTR			

BARBERSHOP.FELDER CC89 TM-AP-70-448

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

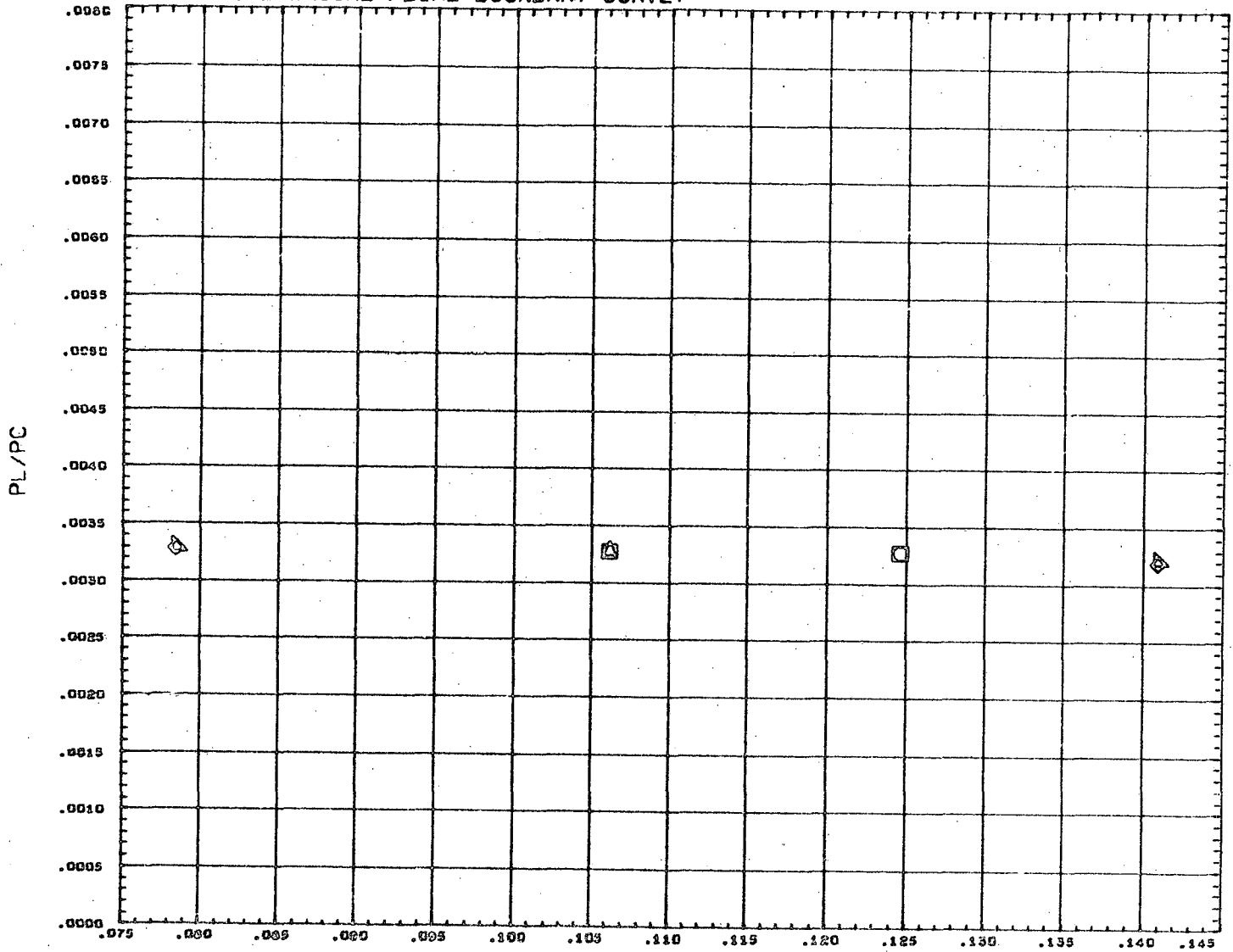
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◇	45.730	200.173	0.086	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	ALPHA 0.004
◇	75.730			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	WS/WPC 0.000
◇	75.730			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	
◇	120.730			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	
◇	123.000			572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	

08708388.F003E CC80 TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL

THETA

PRATIO

MACH

SREF

572.557

59. IN.

E/DOOR

PARAMETRIC VALUES

0.000

ALPHA

0.004

LREF

27.000

INCHES

FC

494.679

WS/WPC

0.000

BREF

27.000

INCHES

XHRP

0.000

DIAMTR

YHRP

0.000

DIAMTR

ZHRP

0.000

DIAMTR

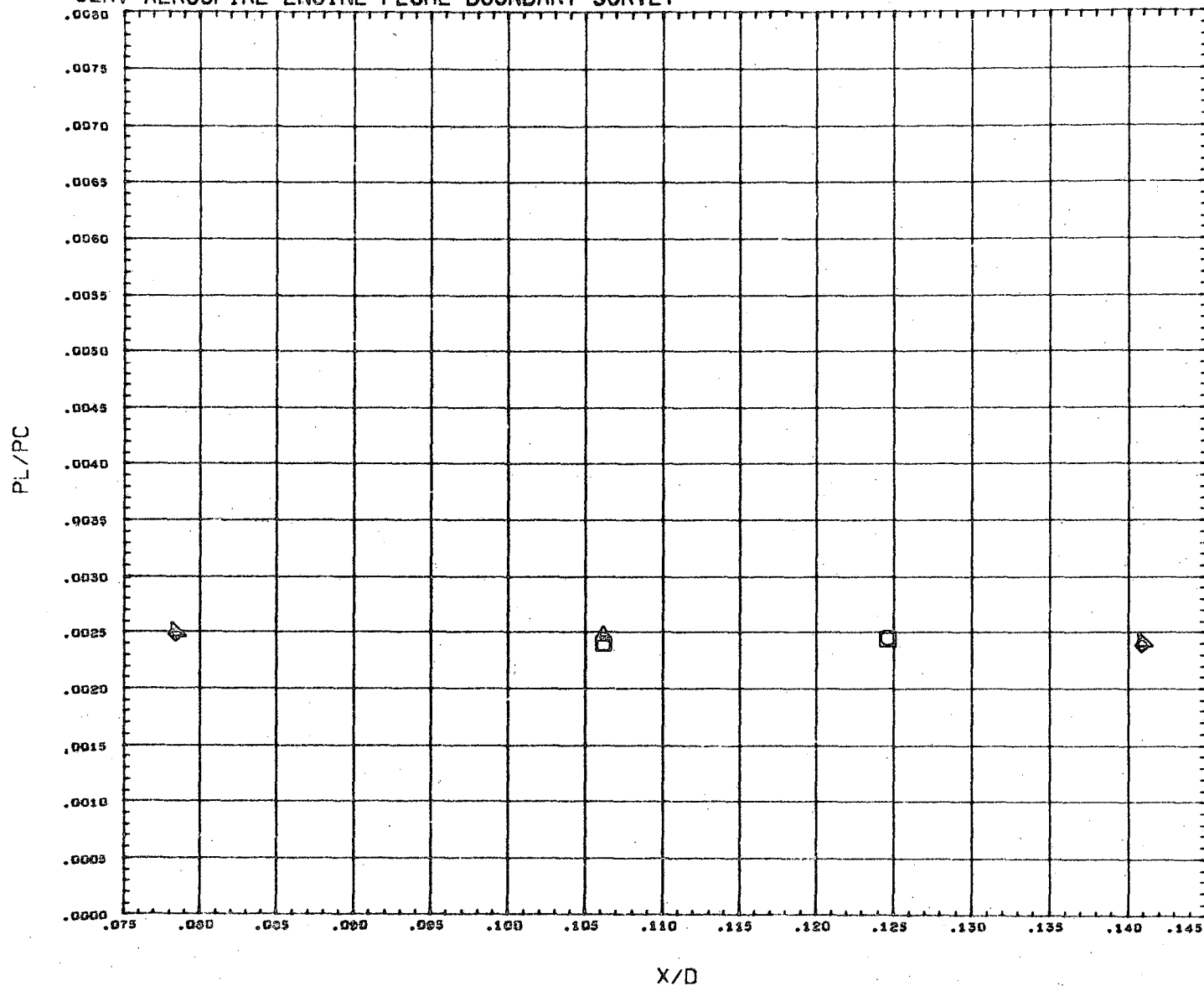
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CC09 TN-AP-70-048

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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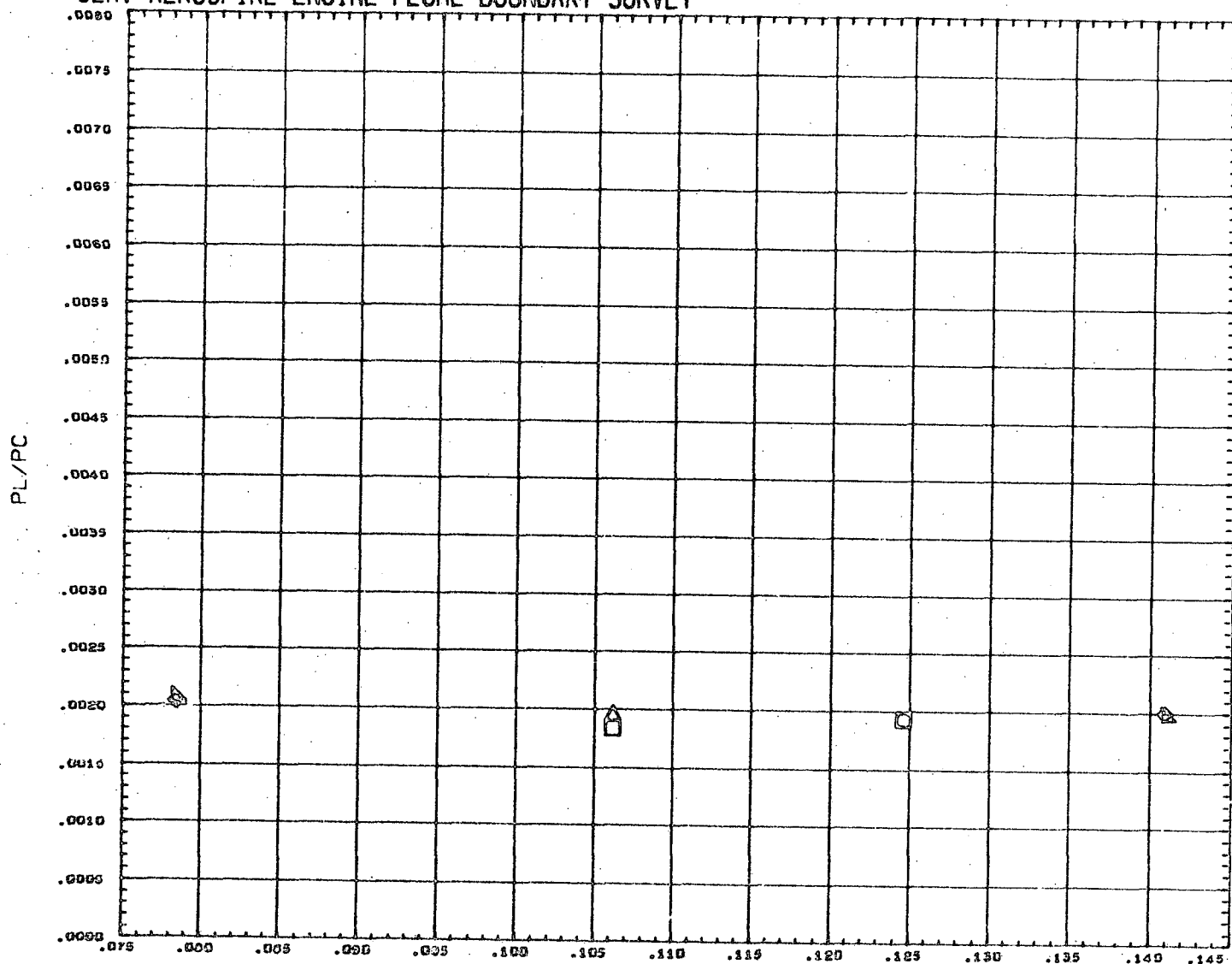
SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	PRATIO	MACH	SREF	LREF	BREF	XNRP	YNRP	ZNRP	E/DOOR	PC	PARAMETRIC VALUES
△	45.730	401.790	0.123	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
□	75.730			50.1N.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR			WS/WFC 0.000
◇	70.000											
◻	120.730											
◻	125.000											

DATA SOURCE: FLOE CCSD TN-AP-70-445

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

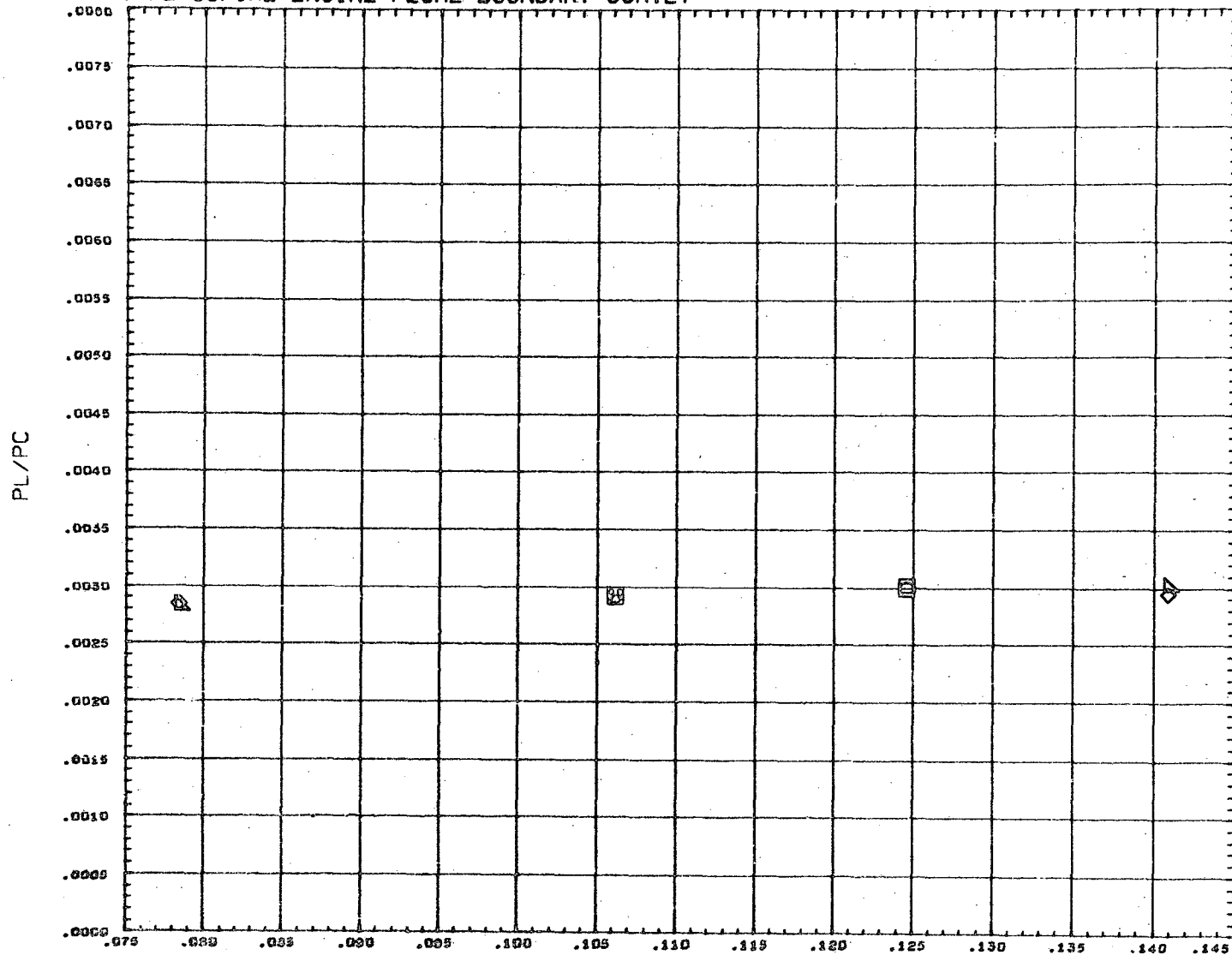
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◇	70.000			XMRP	0.000	DIAMTR				
□	120.730			YMRP	0.000	DIAMTR				
▽	123.000			ZMRP	0.000	DIAMTR				

0070R0005.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

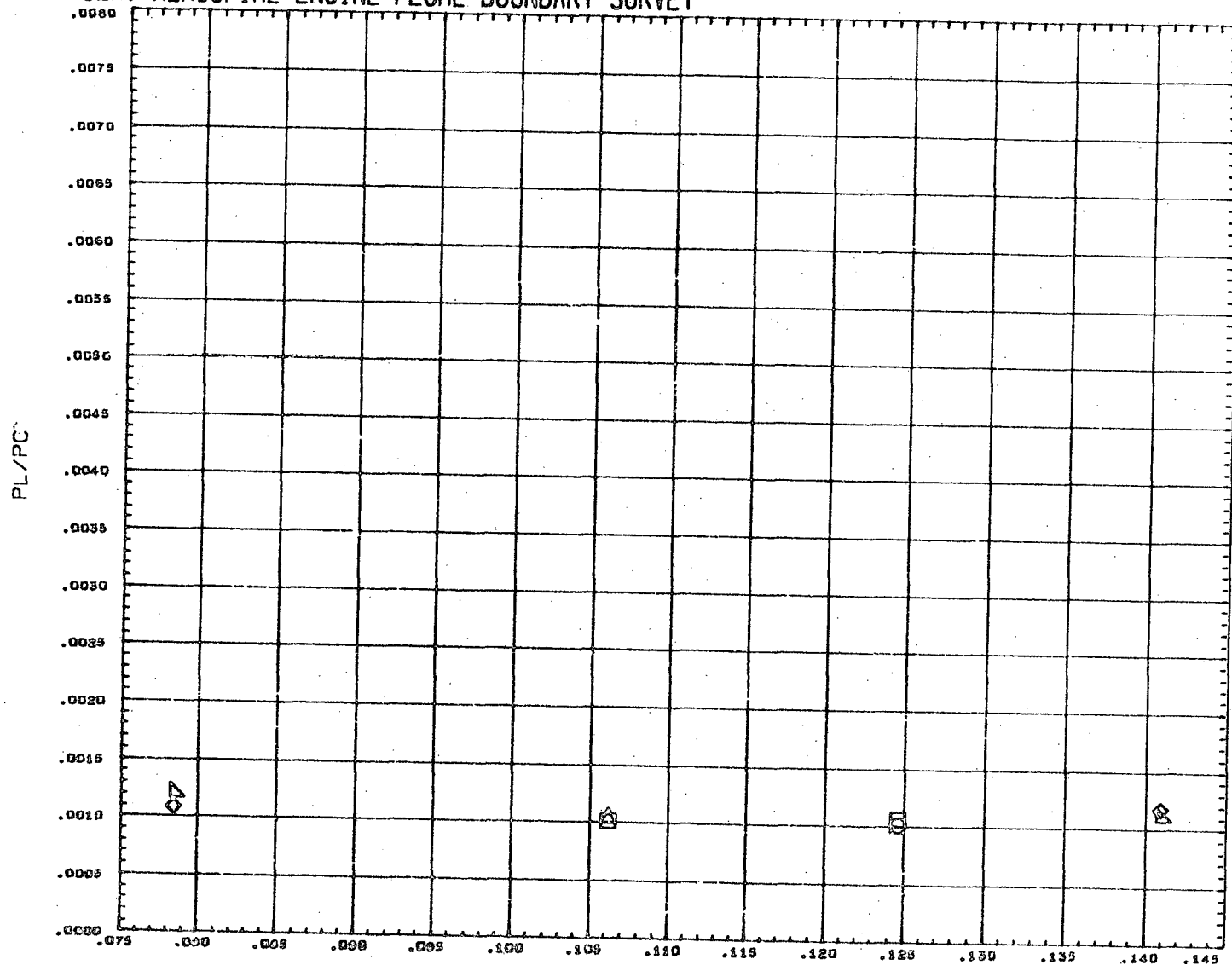
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◇	75.730											WS/WPC 0.000
◇	70.000											
◇	120.730											
◇	123.000											

DISTANCE FROM NOSE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

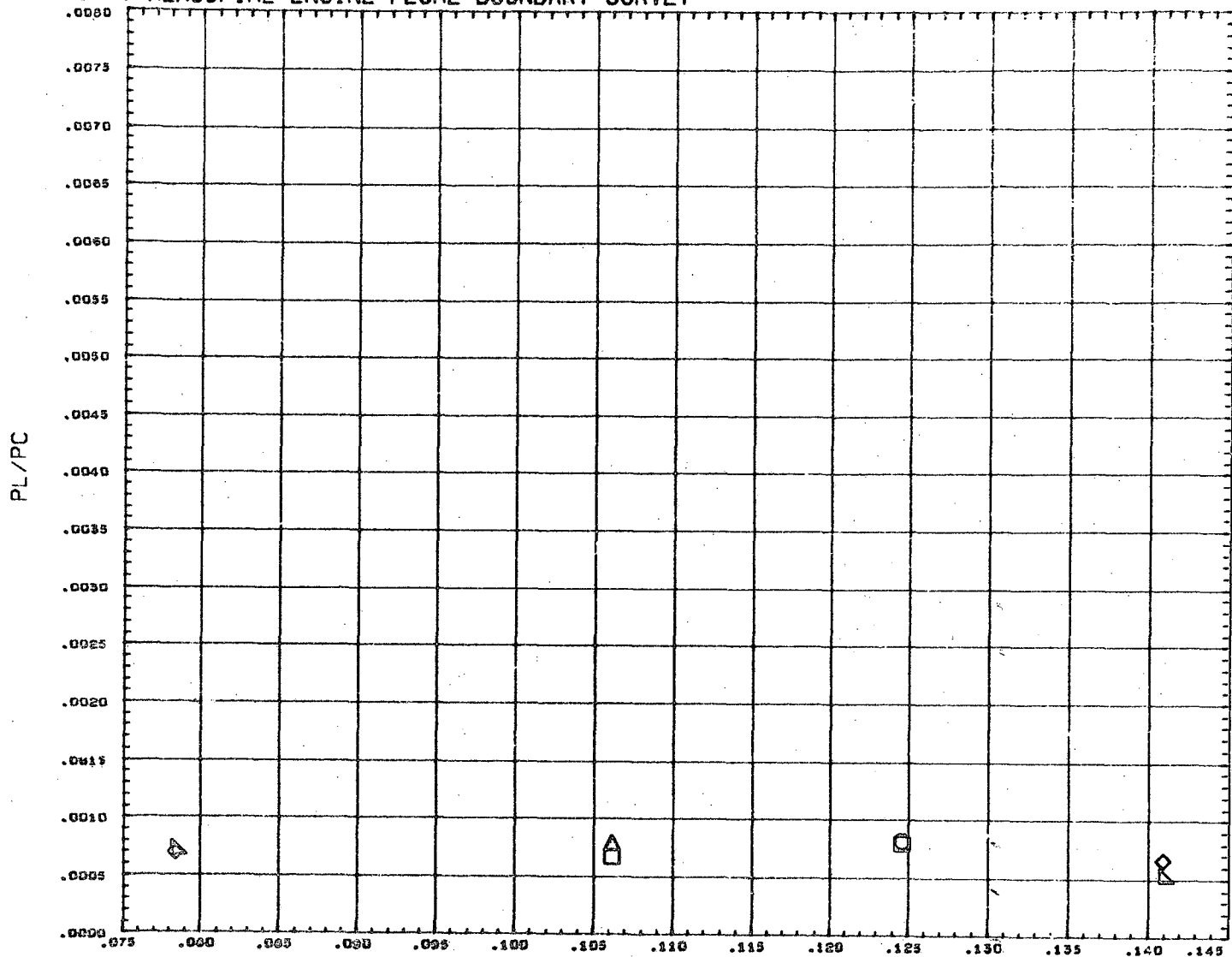
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◇	45.730	401.290	0.598	LREF	27.000	INCHES	0.000	ALPHA	0.004	
△	75.730			BREF	27.000	INCHES	PC	404.679	WS/WPC	0.000
□	70.000			XMRP	0.000	DIAMTR				
■	120.730			YMRP	0.000	DIAMTR				
	123.000			ZMRP	0.000	DIAMTR				

08708000.F000E C000 TN-AF-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



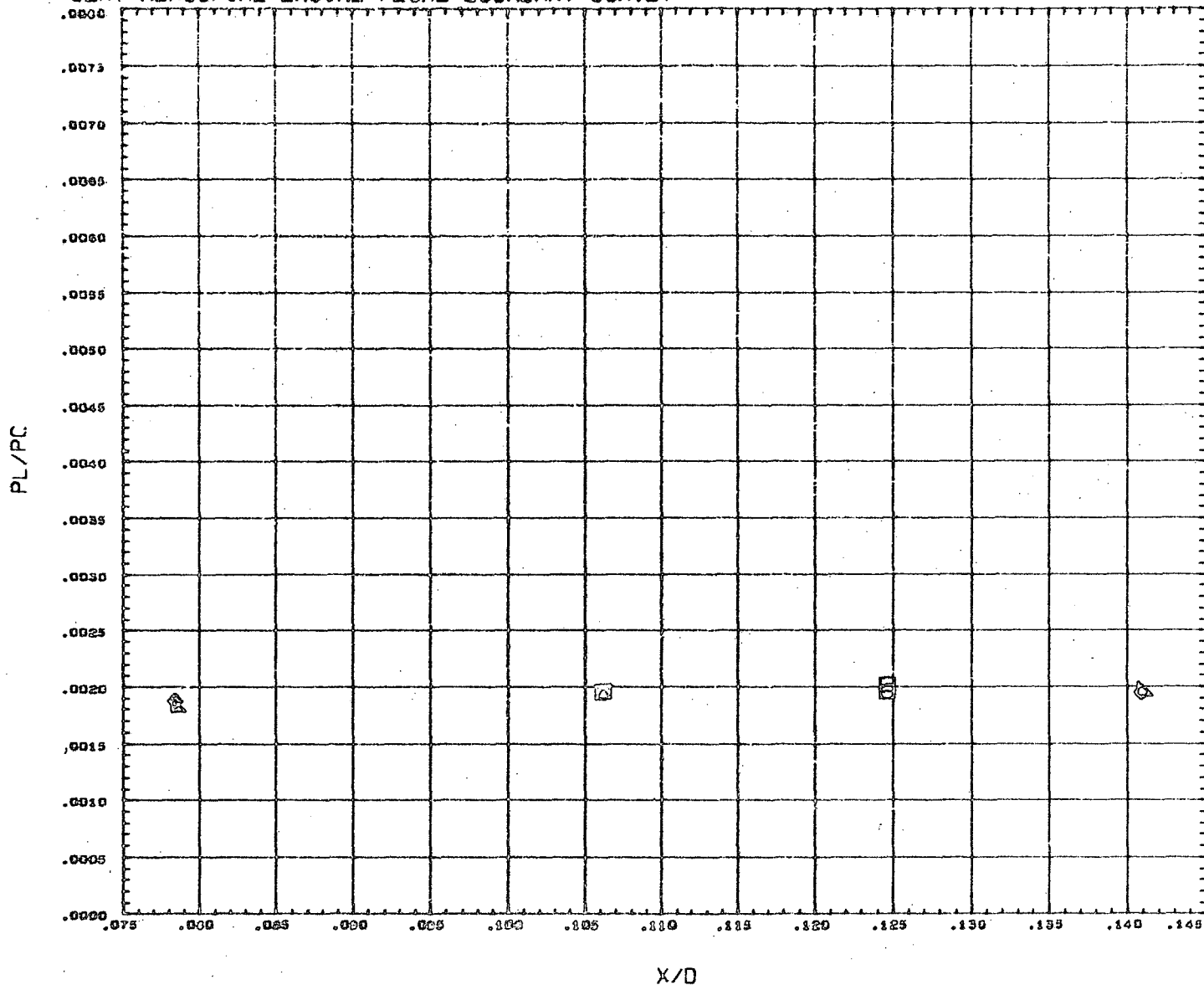
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◇	75.730			LREF	27.000	INCHES	PC	404.679	WS/WFC	0.000
◇	75.000			BREF	27.000	INCHES				
□	120.730			XMRP	0.000	DIAMTR				
□	120.000			YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

REFERENCE: FSCSE CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



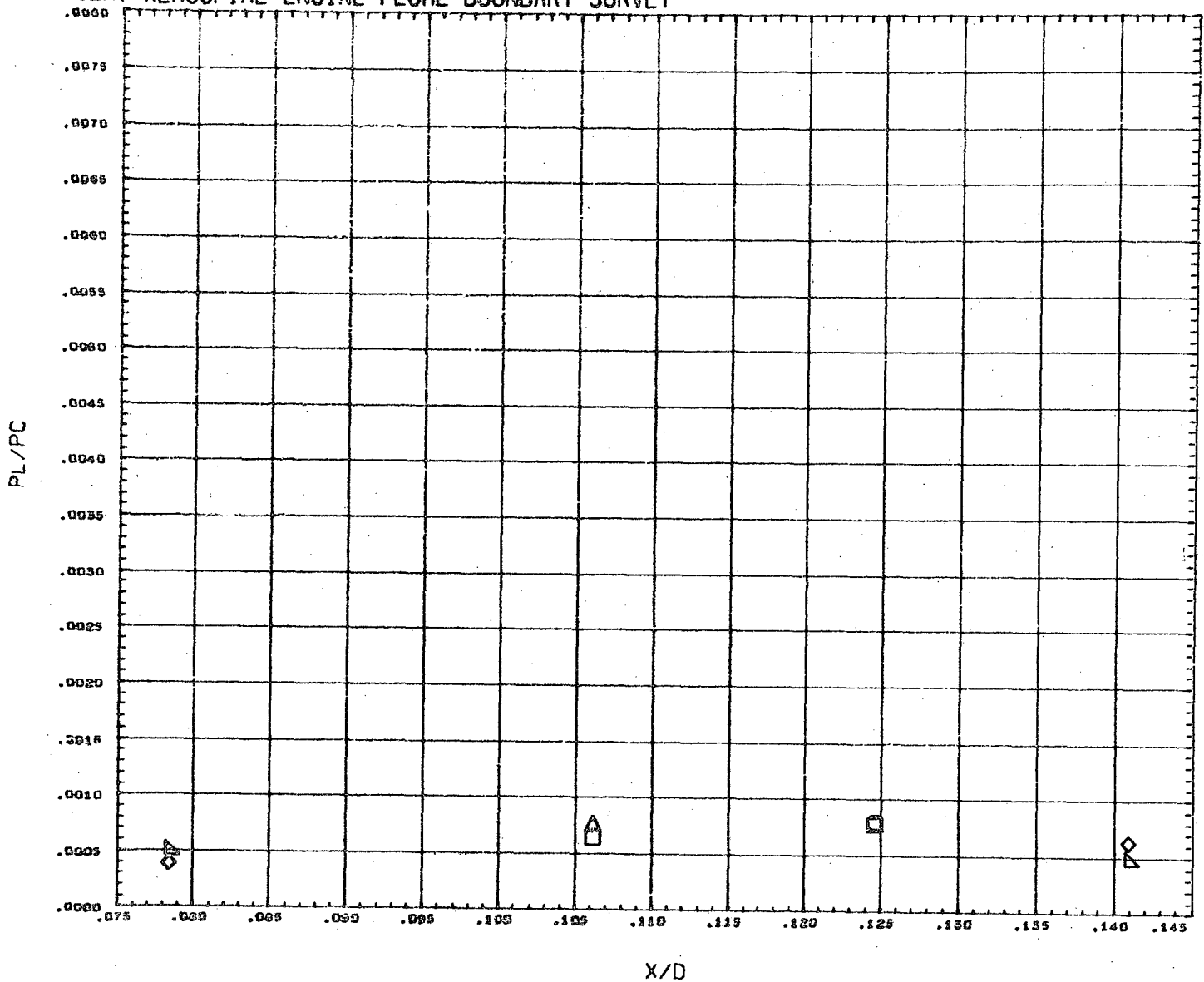
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◇	78.000			BREF	27.000	INCHES	ALPHA
□	120.730			XMRP	0.000	DIAHTR	0.004
▽	123.000			YMRP	0.000	DIAHTR	0.000
				ZMRP	0.000	DIAHTR	0.000

00000000.F000E C600 TM-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



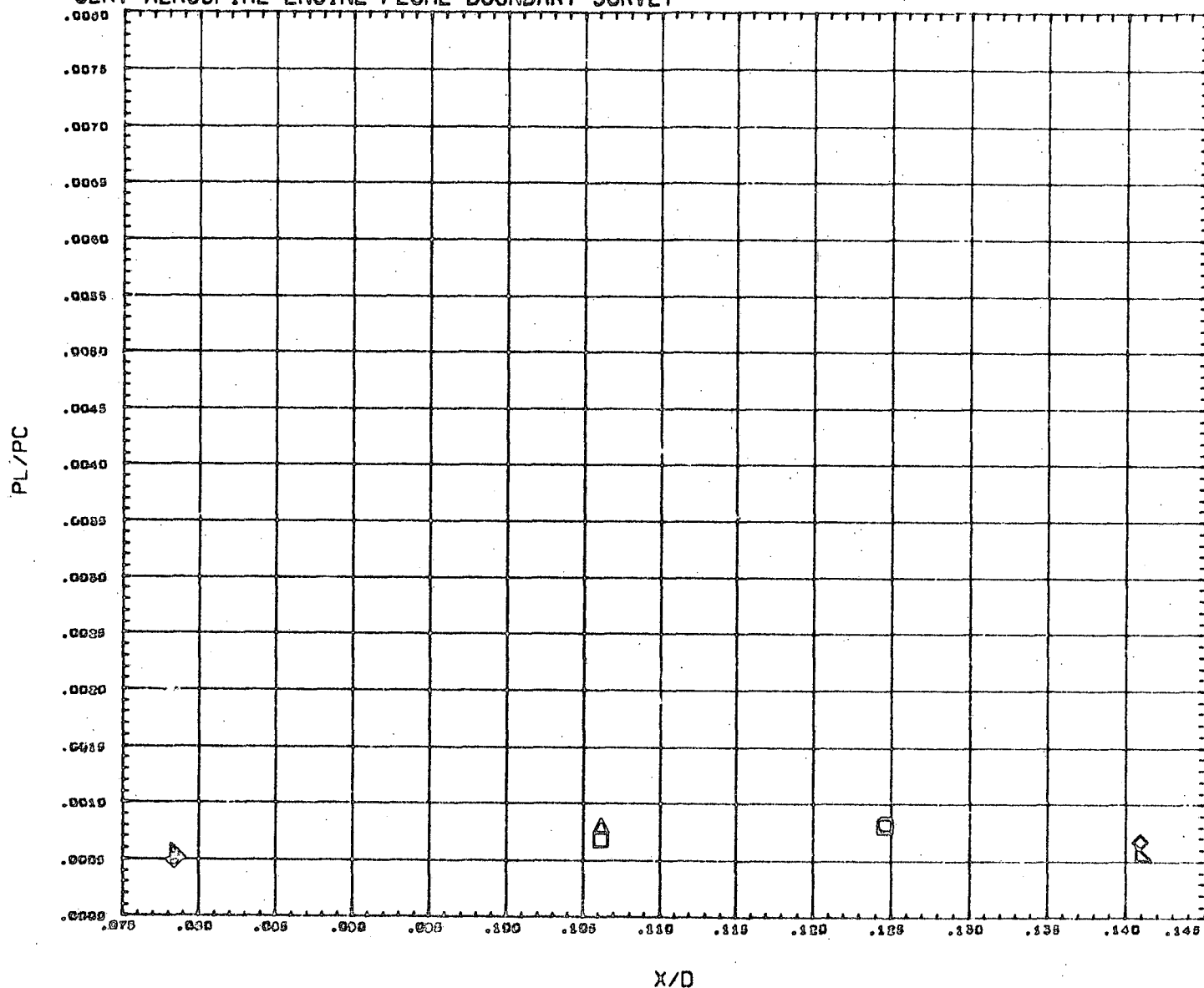
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◇	79.000			BREF	27.000	INCHES	ALPHA
□	120.730			XMRP	0.000	DIAMTR	0.004
◇	123.000			YMRP	0.000	DIAMTR	WS/WPC
				ZMRP	0.000	DIAMTR	0.000

DETERMINED FROM CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



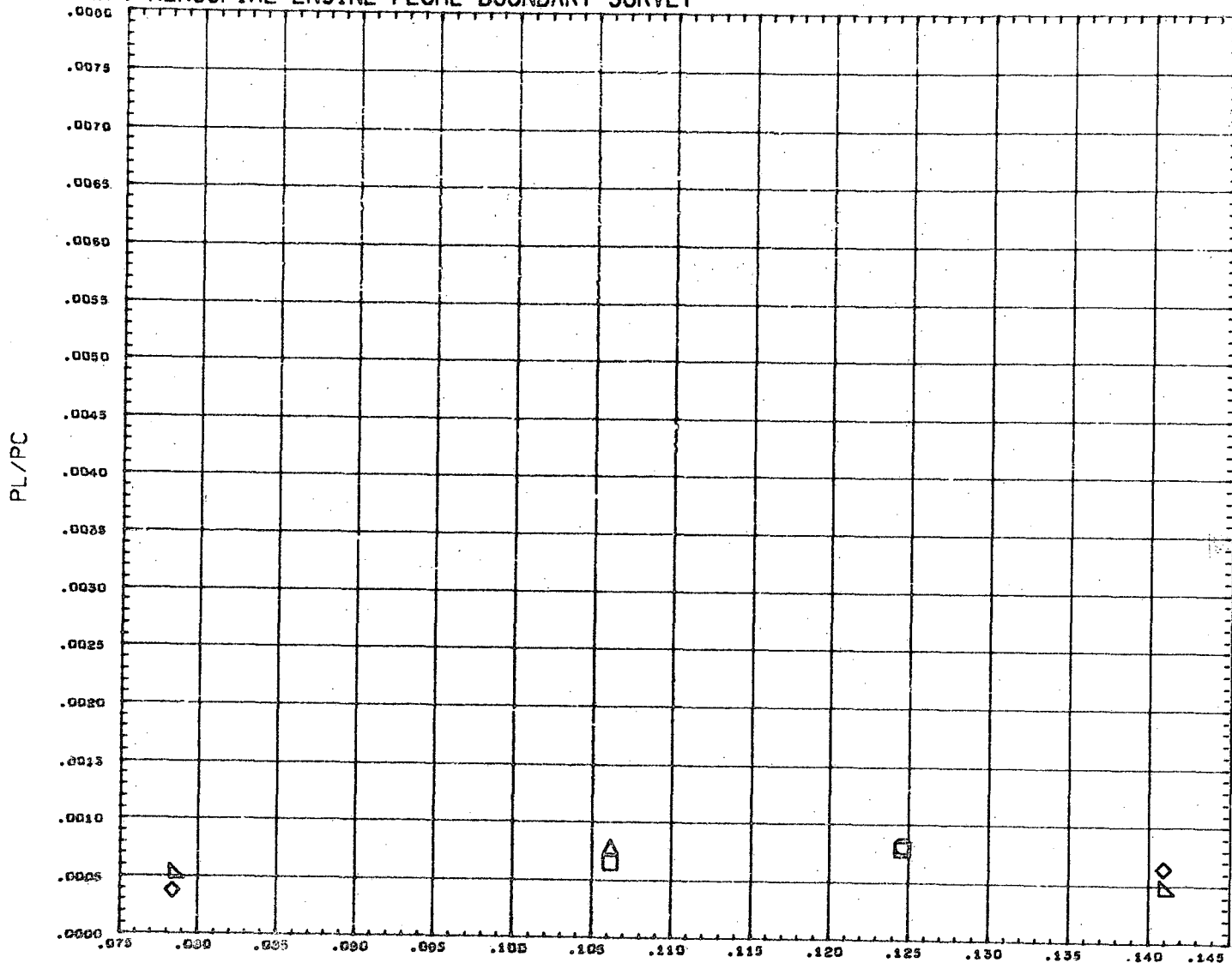
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○	45.730	499.307	0.799	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
△	75.730			BREF	27.000	INCHES		404.679	WS/WFC	0.000
◇	70.000			XHRP	0.000	DIAMTR				
□	120.730			YHRP	0.000	DIAMTR				
⧻	123.000			ZHRP	0.000	DIAMTR				

00708000.F663E 6609 70-AP-70-400

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

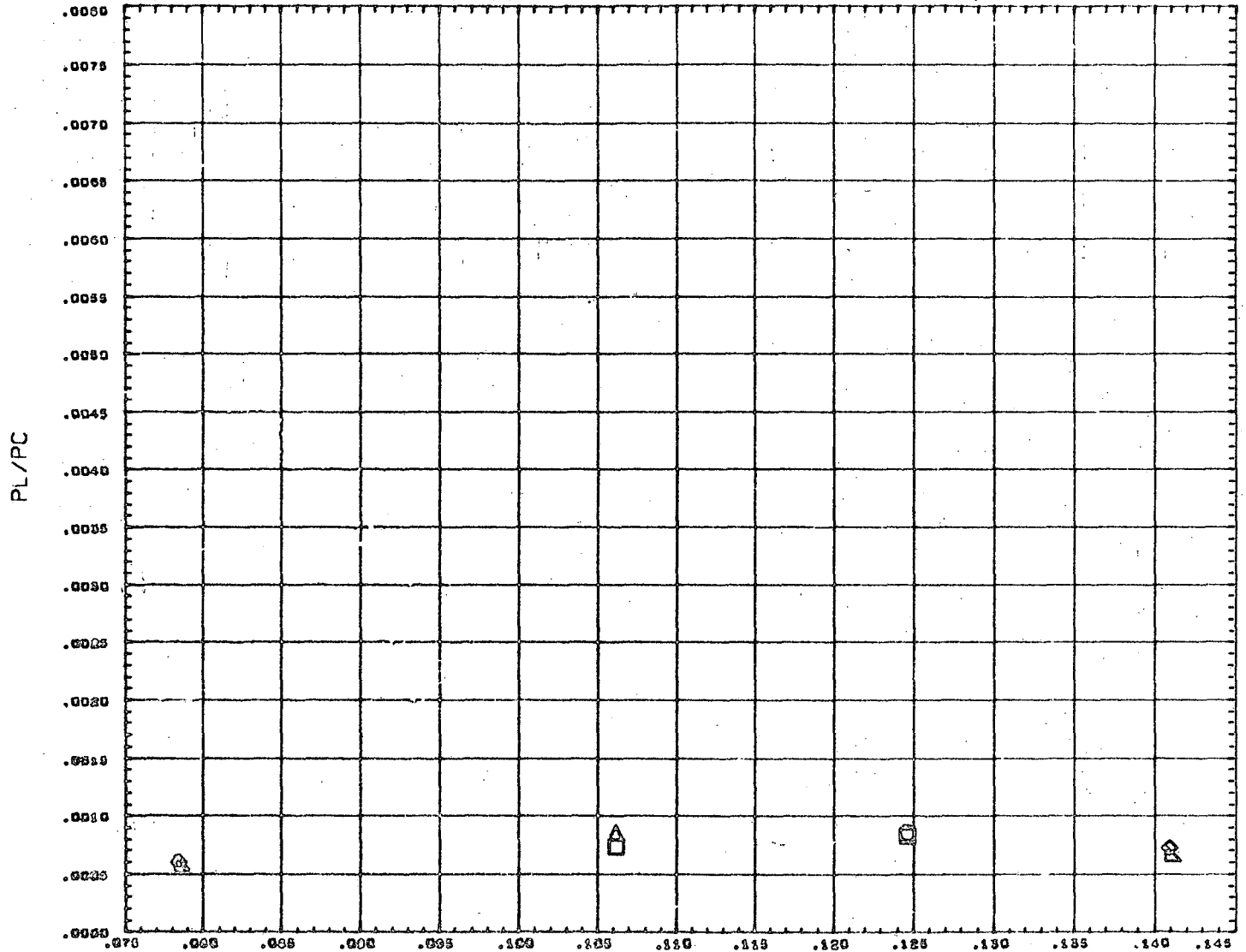
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◇	45.730	688.802	0.803	LREF	27.000	INCHES	FC	0.000	ALPHA	0.004
△	75.730			BREF	27.000	INCHES		404.679	WS/WFC	0.000
◇	78.000			XMRP	0.000	DIAMTR				
□	120.730			YMRP	0.000	DIAMTR				
△	123.000			ZMRP	0.000	DIAMTR				

DEFEASIBLE.FSCOE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

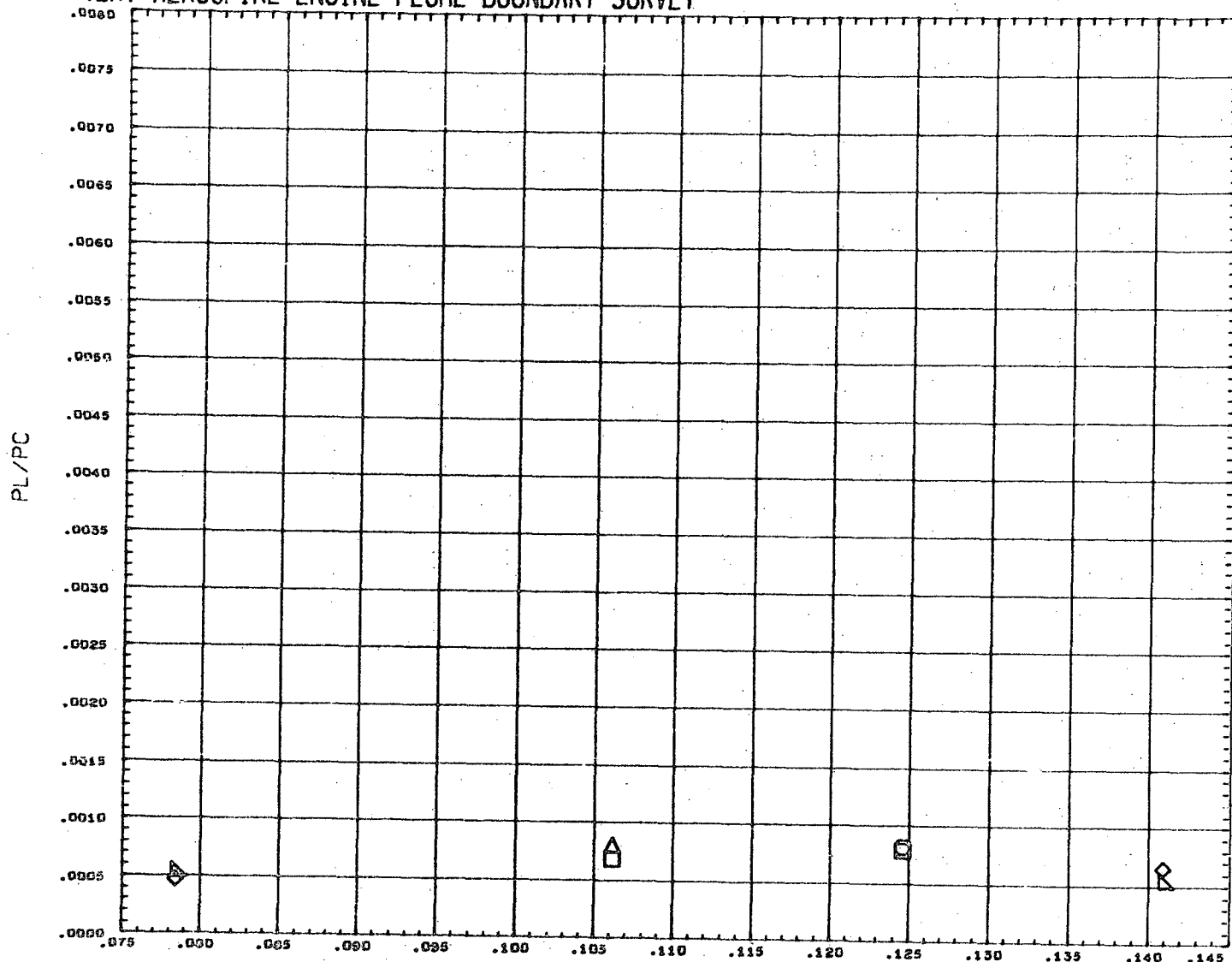
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○	45.730	306.157	0.905	572.557	27.000	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
△	75.730			58.1N.	INCHES											
◇	70.000			27.000	INCHES											
□	120.730			0.000	DIAMTR											
◻	123.000			0.000	DIAMTR											

0848R0001.F503E CCOO TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL	THETA	FRATIO	MACH
◇	45.730	399.707	0.900
△	75.730		
□	78.000		
○	120.730		
	123.000		

SREF	572.557	50.IN.
LREF	27.000	INCHES
BREF	27.000	INCHES
XNRF	0.000	DIAMTR
YNRF	0.000	DIAMTR
ZNRF	0.000	DIAMTR

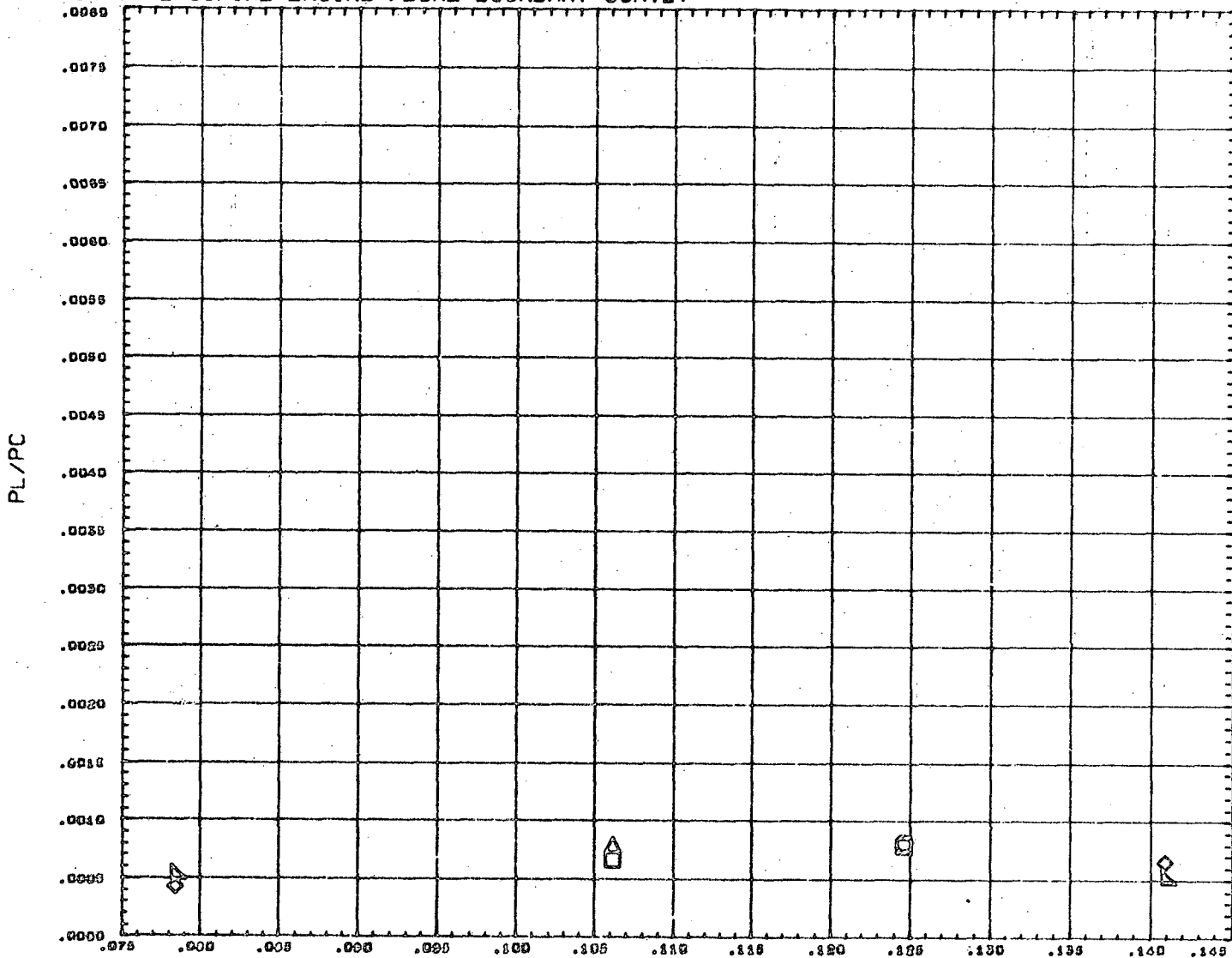
PARAMETRIC VALUES			
E/DOOR	0.000	ALPHA	0.004
PC	404.679	WS/WFC	0.000

BA71R006E.F000E CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

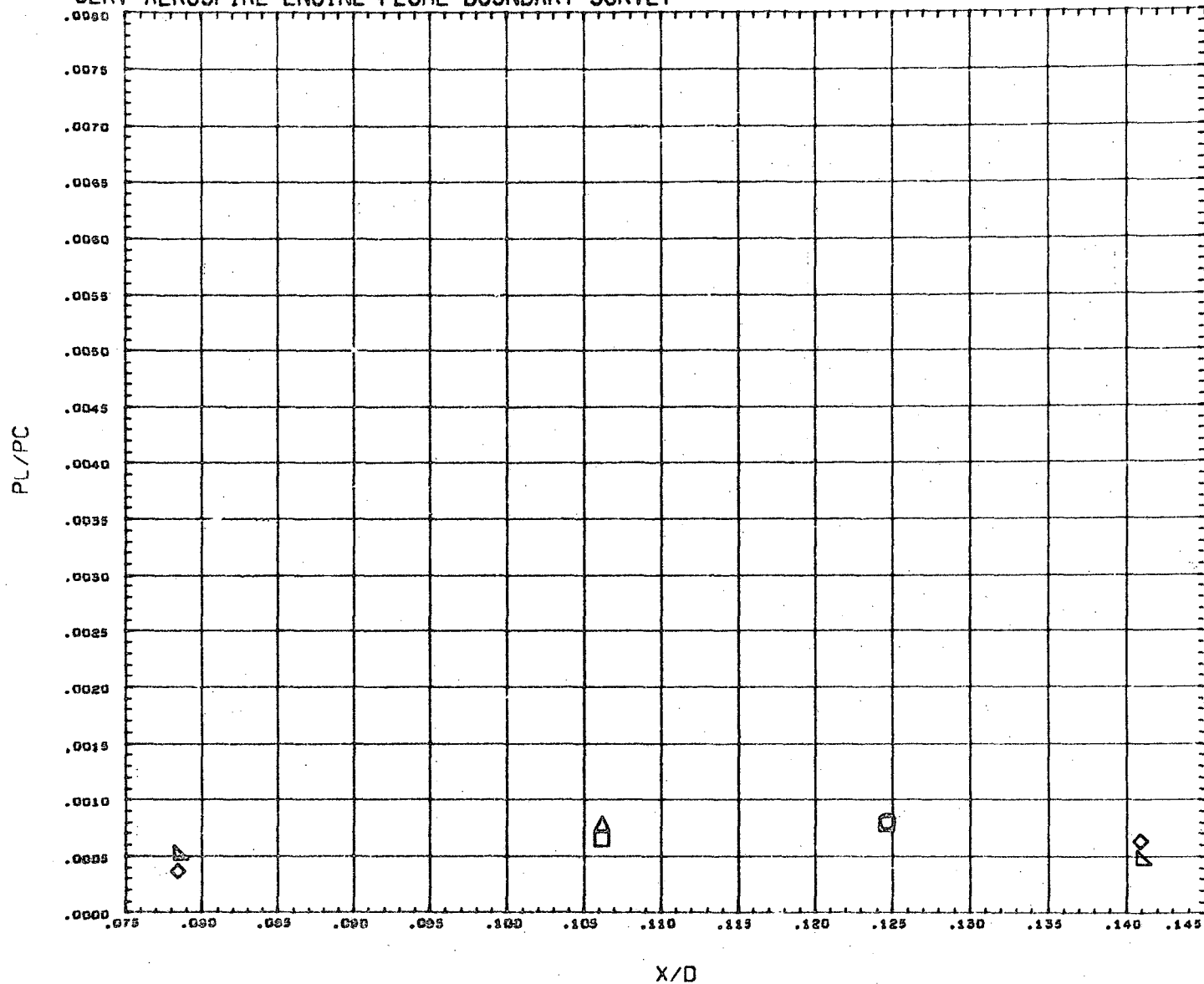
SYMBOL	THETA	PRATIO	MACH	SREF	572.557	98.IN.	E/DOOR	PARAMETRIC VALUES
◇	45.730	600.200	0.895	LREF	27.000	INCHES	FC	0.000 ALPHA 0.004
◇	75.730			BREF	27.000	INCHES		404.679 WS/WPC 0.000
◇	70.000			XMRP	0.000	DIAMTR		
◇	120.730			YMRP	0.000	DIAMTR		
◇	125.000			ZMRP	0.000	DIAMTR		

DATA2008.F666E 6609 70-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



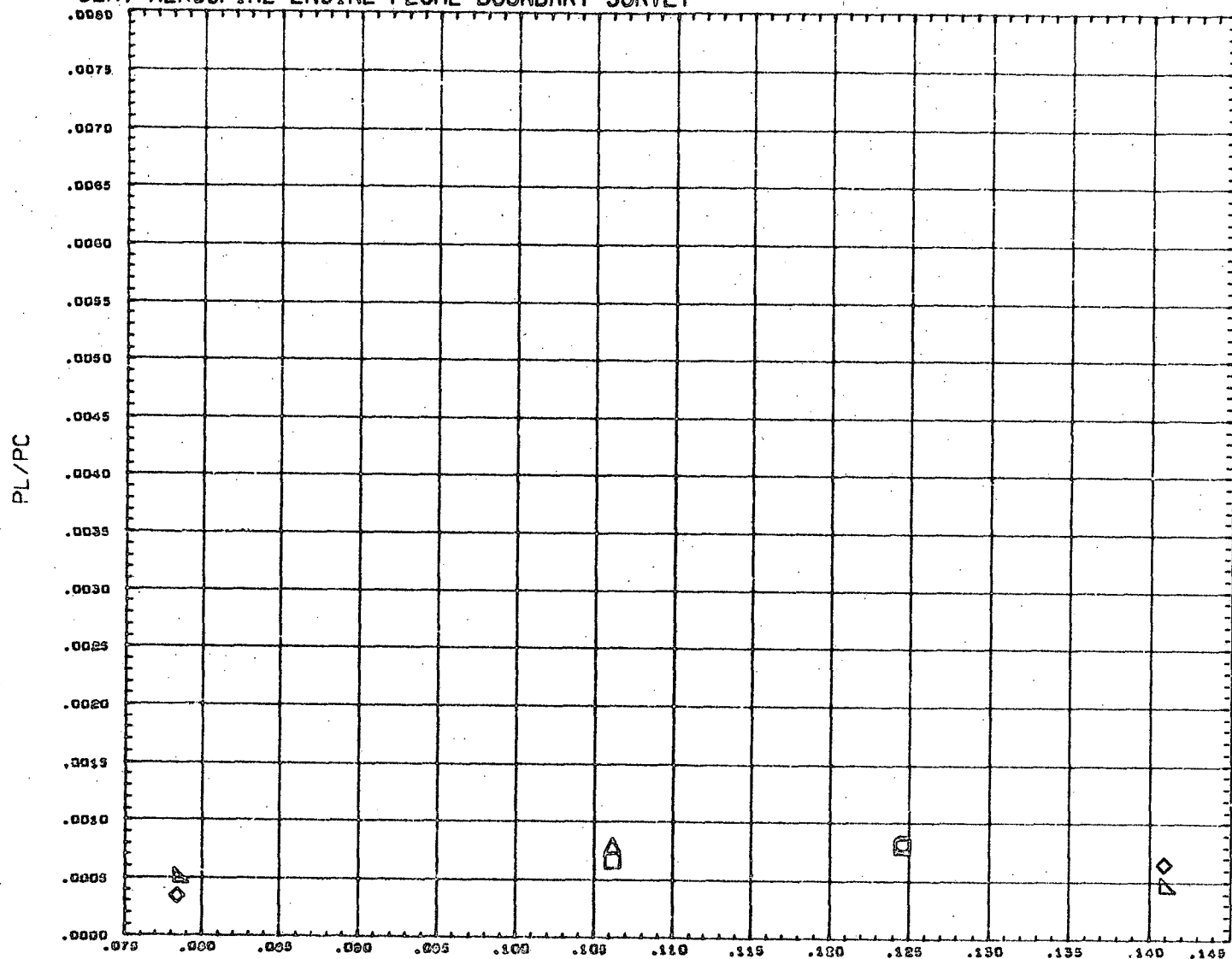
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◇	65.730	812.557	0.902	572.557	27.000	27.000	0.000	0.000	0.000	0.000	404.679	ALPHA 0.004
△	75.700											WS/WFC 0.000
○	70.000											
□	120.730											
◻	123.000											

08750005.FSCBE CCOD TM-AP-70-449

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL

THETA

PRATIO

MACH

◇
◇
◇
◇
◇

45.730
75.730
70.000
120.730
123.000

05000000.F660E

CCSD TN-AP-70-440

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

58.1N.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
PC

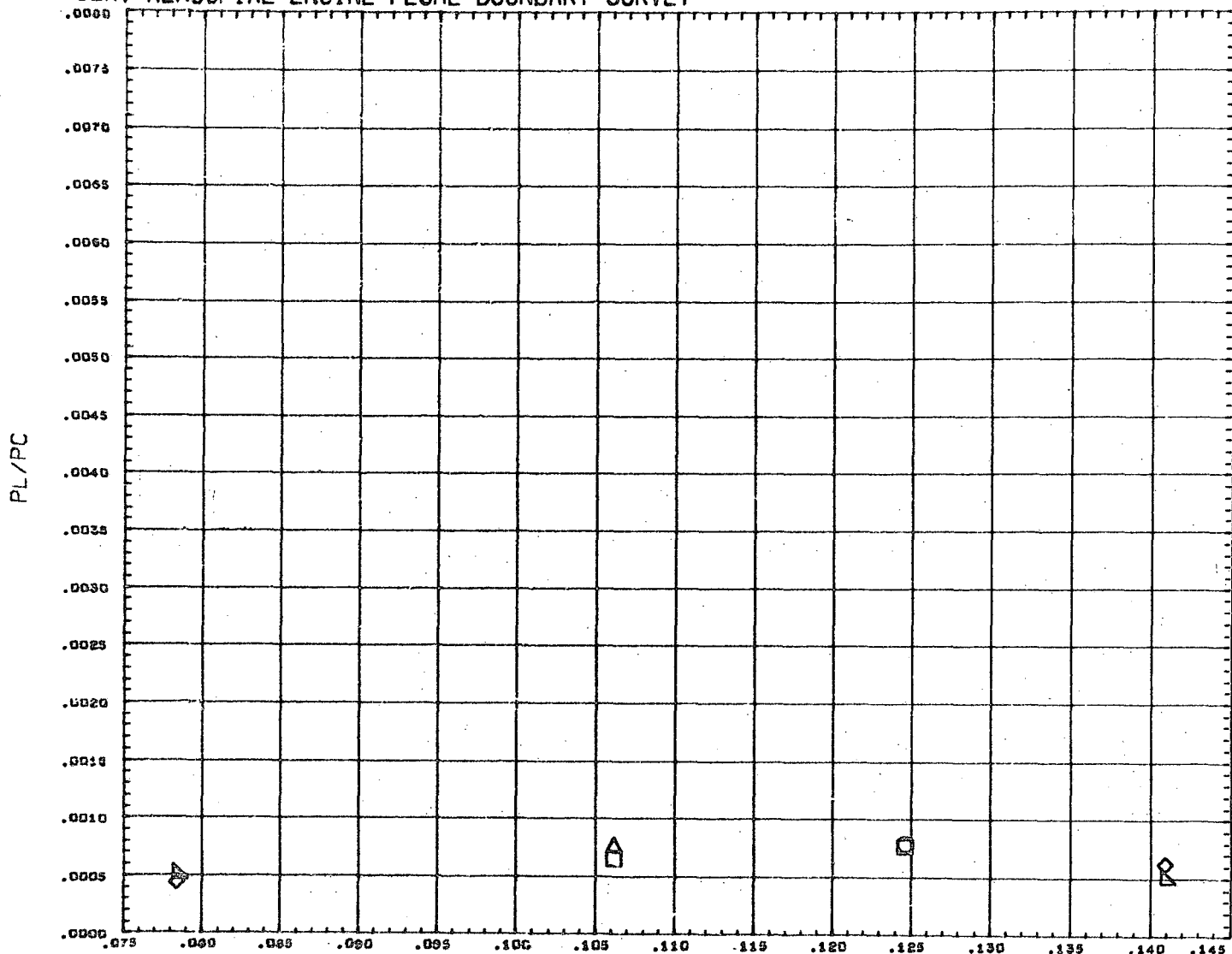
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0.000 ALPHA 0.004
404.679 WS/WFC 0.000

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

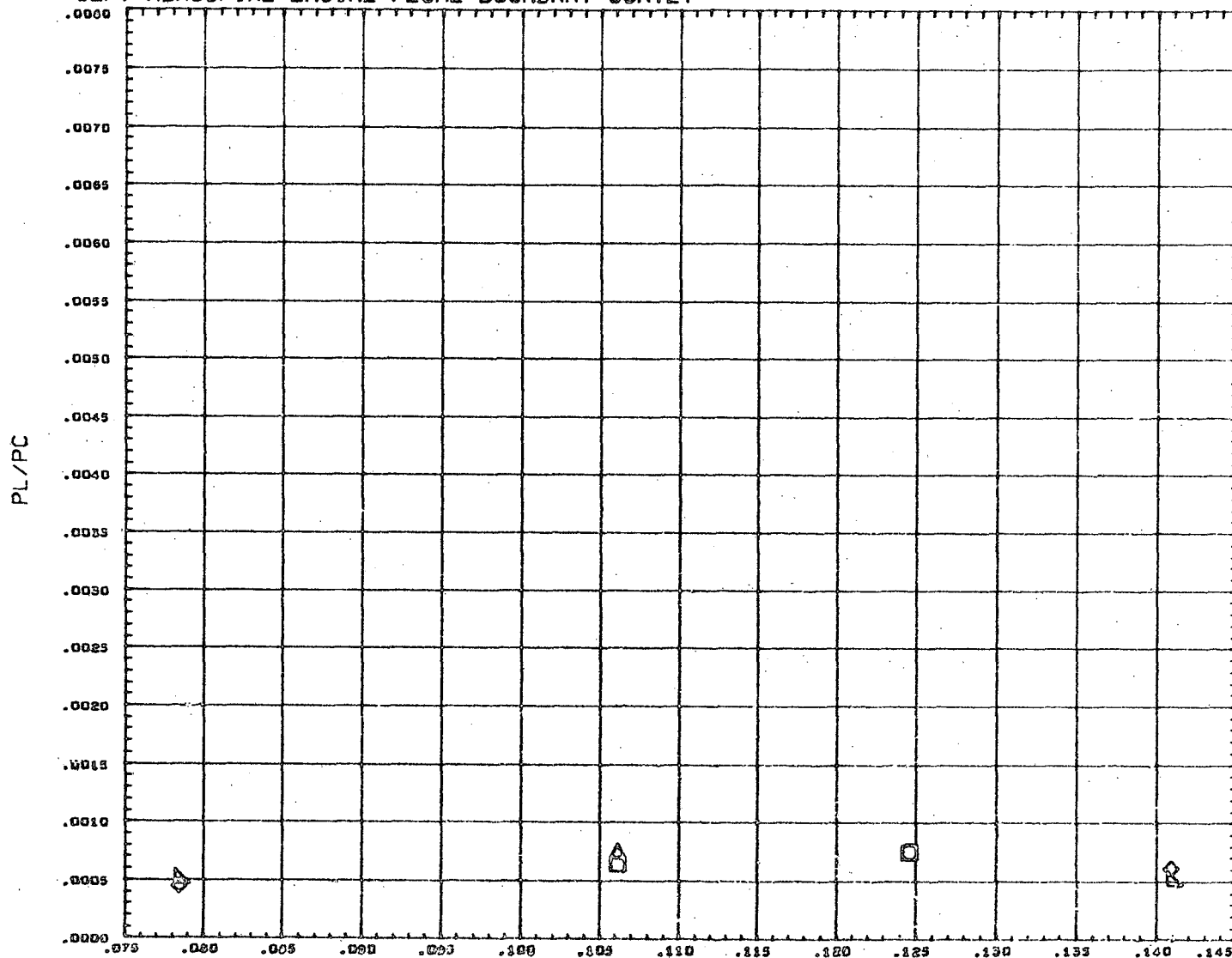
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◇	45.730	491.380	1.101	LREF	27.000	INCHES	PC	0.000	ALPHA	0.004
△	75.730			BREF	27.000	INCHES		404.679	WS/WPC	0.000
□	78.000			XHRF	0.000	DIAMTR				
○	120.730			YHRF	0.000	DIAMTR				
	123.000			ZHRF	0.000	DIAMTR				

DATA89066.FE62E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

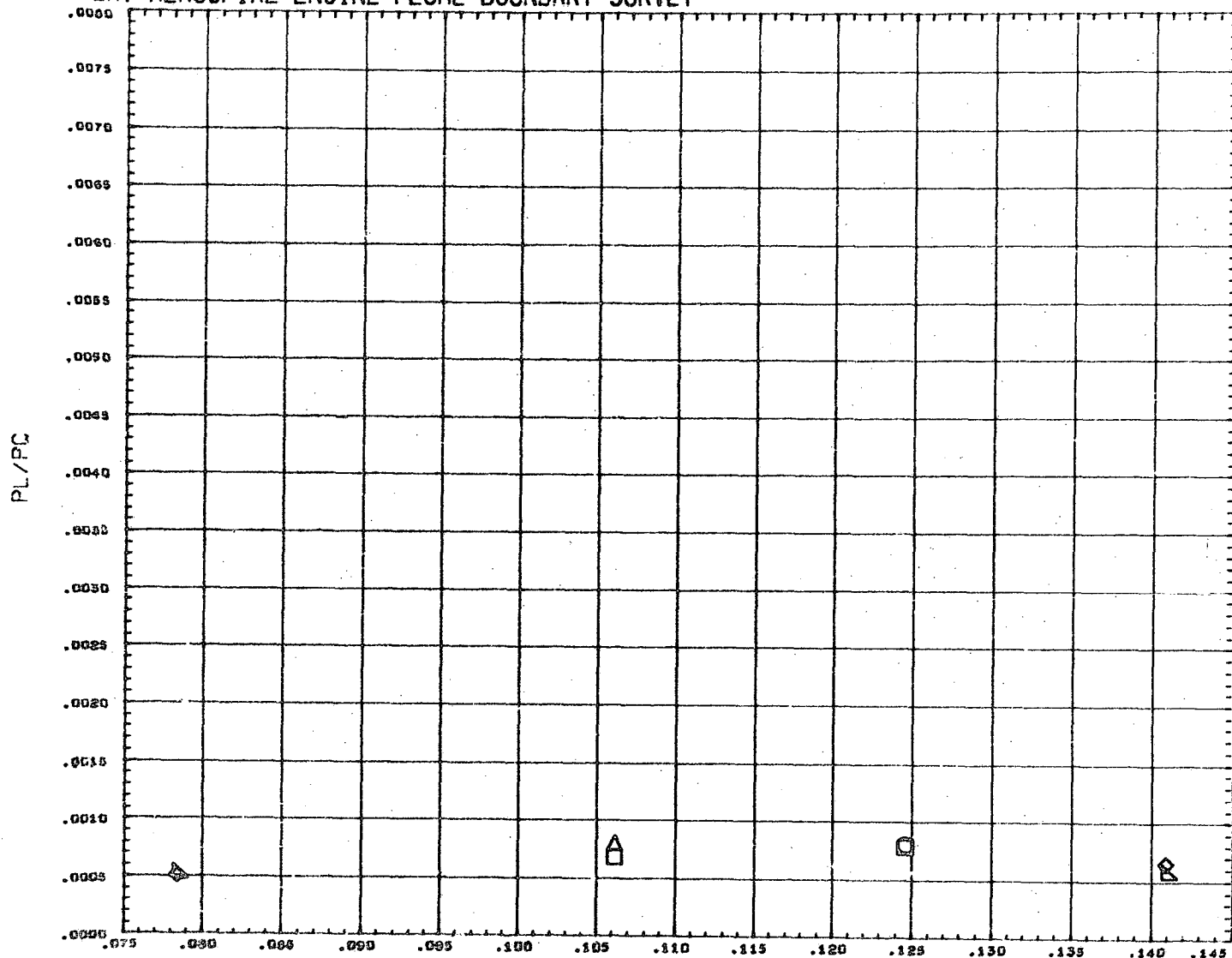
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◇	45.730	599.127	1.089	SREF	572.557	SQ.IN.	E/DOOR	0.000	ALPHA	0.004
△	75.730			LREF	27.000	INCHES				
◇	70.000			BREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
□	120.730			XMRP	0.000	DIAMTR				
○	123.000			YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

084080001.F003E CC00 TM-AP-70-469

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

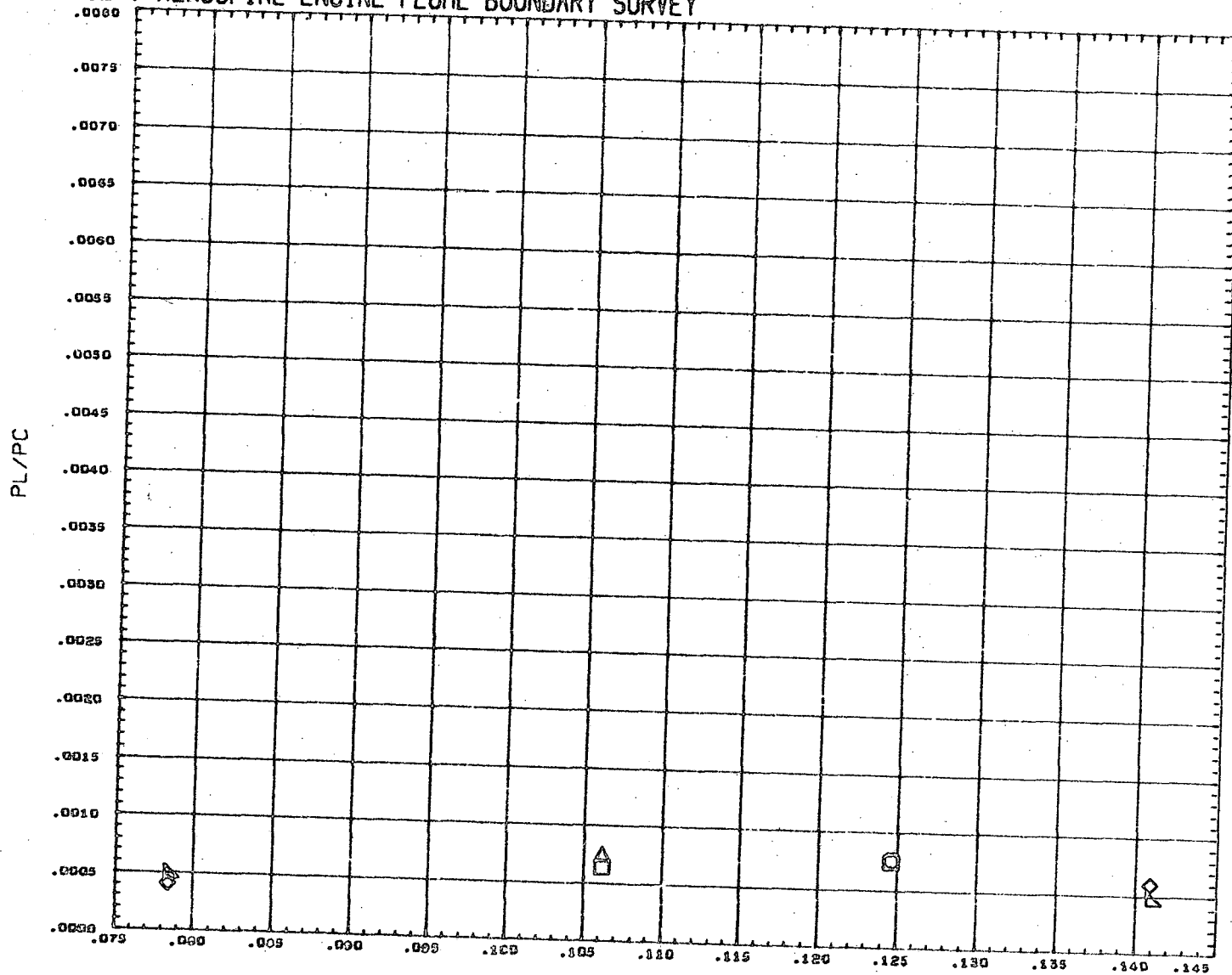
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△	65.730	456.123	1.254	572.557	27.000	27.000	0.000	0.000	0.000	58. IN.	INCHES	INCHES	DIAMTR	DIAMTR	DIAMTR	0.000	404.679	0.000	0.004	0.000
□	75.730																			
◇	78.000																			
○	120.735																			
△	123.000																			

DATE: 08-08-78 FILE: CCSD TH-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY

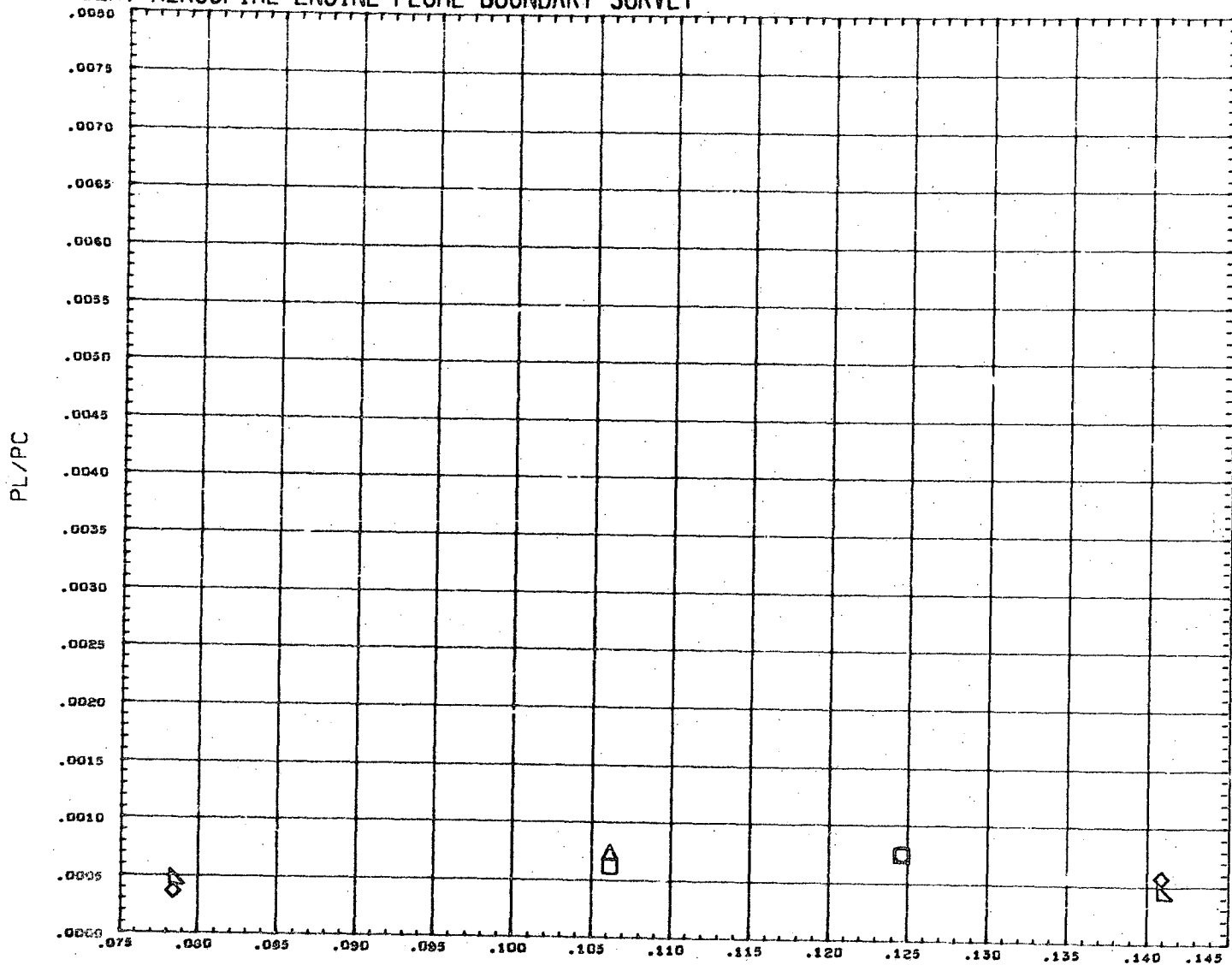


SYMBOL	THETA	FRATIO	MACH	SREF	LREF	BREF	XHREF	YHREF	ZHREF	PARAMETRIC VALUES
△	45.730	751.932	1.261	572.557	27.000	27.000	0.000	0.000	0.000	E/DOOR 0.000 ALPHA 0.004
◇	75.730			58.000	27.000	27.000	0.000	0.000	0.000	FC 404.679 WS/WFC 0.000
◊	78.000			0.000	0.000	0.000	0.000	0.000	0.000	
◻	120.730			0.000	0.000	0.000	0.000	0.000	0.000	
◼	123.000			0.000	0.000	0.000	0.000	0.000	0.000	

05000000.FE00E C000 TN-AP-70-045

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



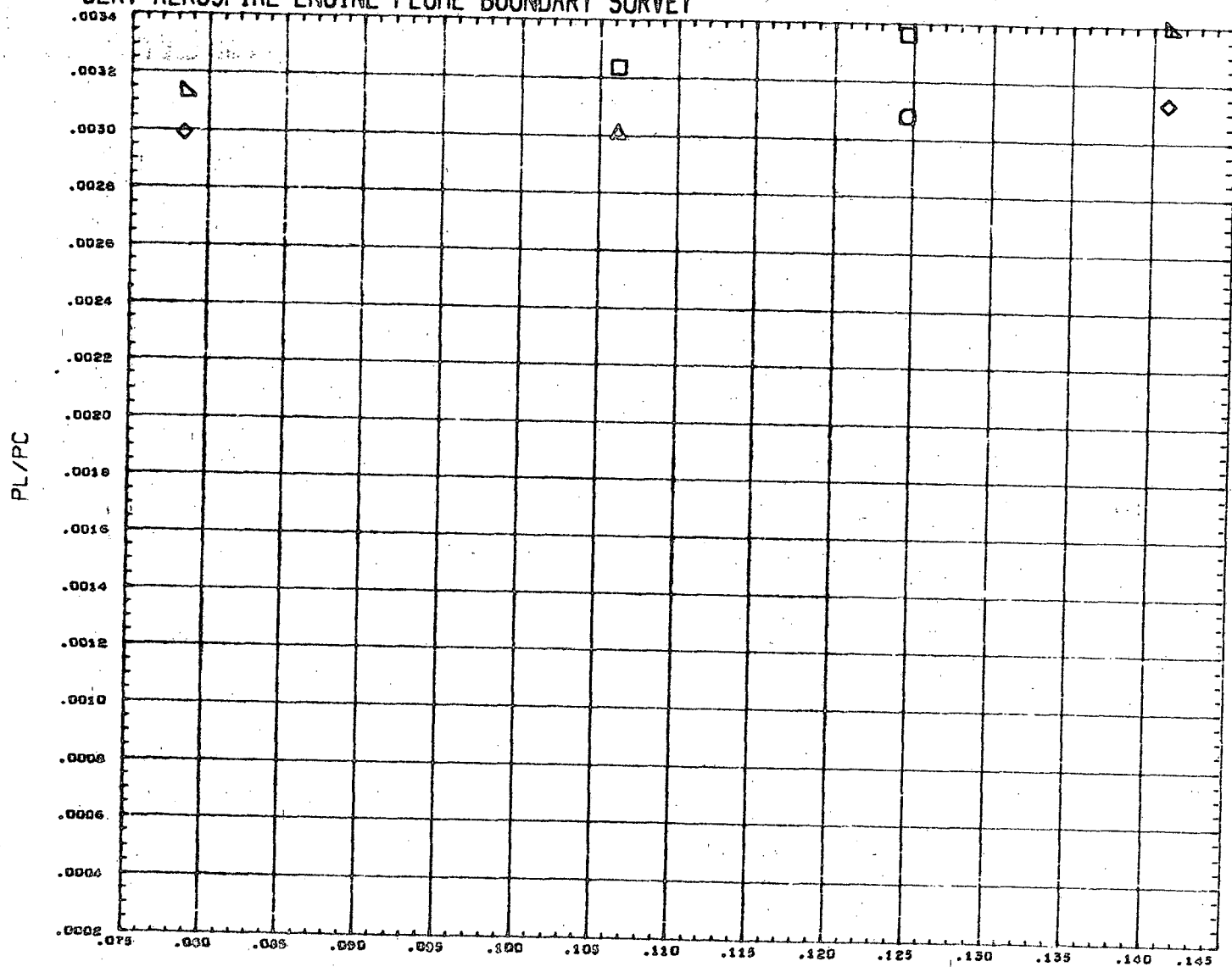
				X/D						
SYMBOL	THETA	PRATIO	MACH					PARAMETRIC VALUES		
◇	45.730	831.960	1.248	SREF	572.557	SQ. IN.	E/DOOR	0.000	ALPHA	0.004
△	75.730			LREF	27.000	INCHES				
◇	78.000			BREF	27.000	INCHES	FC	404.679	WS/WPC	0.000
□	120.730			XMRP	0.000	DIAMTR				
▽	123.000			YMRP	0.000	DIAMTR				
				ZMRP	0.000	DIAMTR				

BASED ON SE.FECEE CCSD TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7040)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL

○
△
◇
□

THETA

45.730
75.730
78.000
120.730
123.000

PRATIO

202.083

MACH

0.599

X/D

SREF
LREF
BREF
XMRP
YMRP
ZMRP

572.557
27.000
27.000
0.000
0.000
0.000

58. IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
PC

PARAMETRIC VALUES

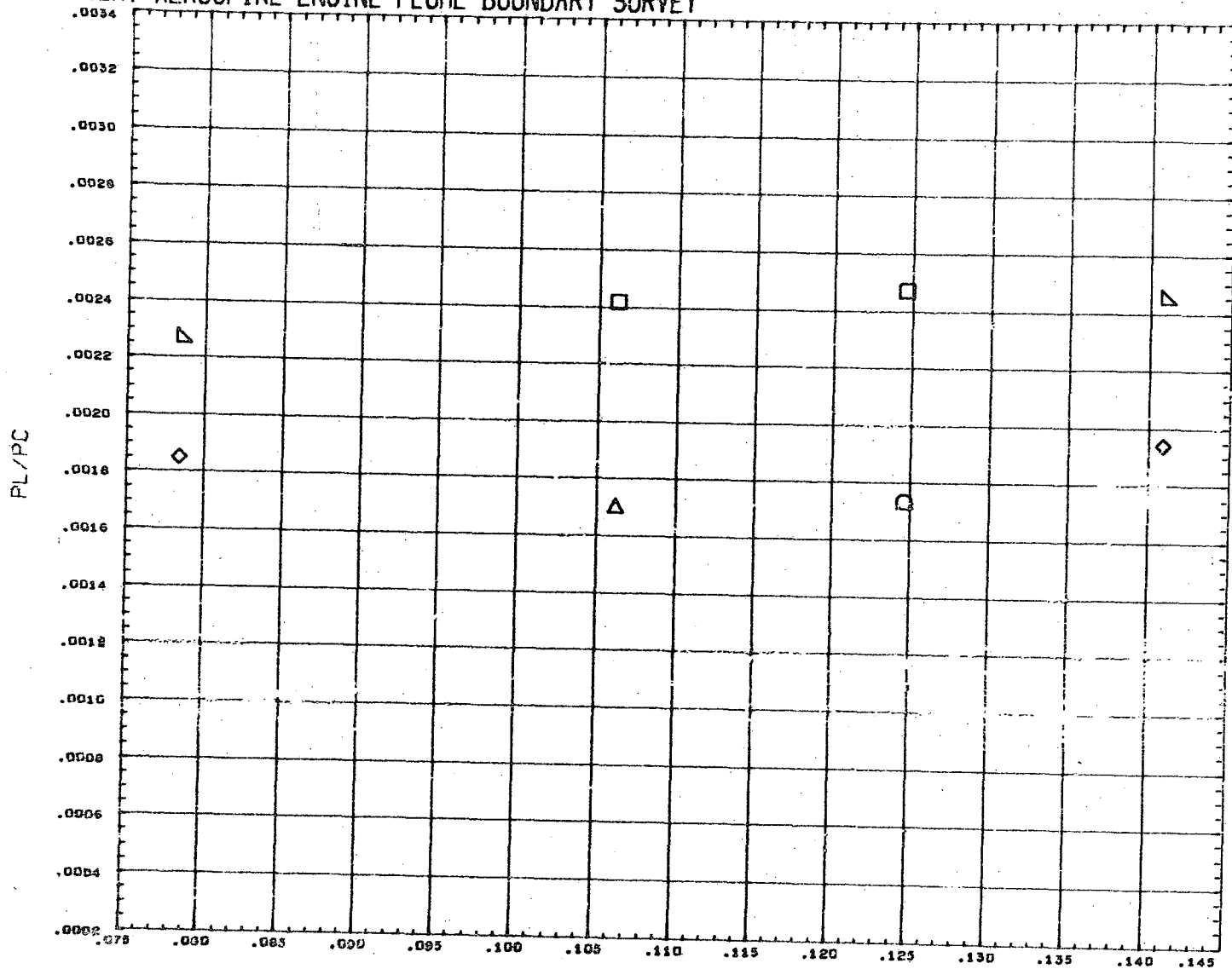
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00060065.FECLSE CCSD TN-AP-70-040

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



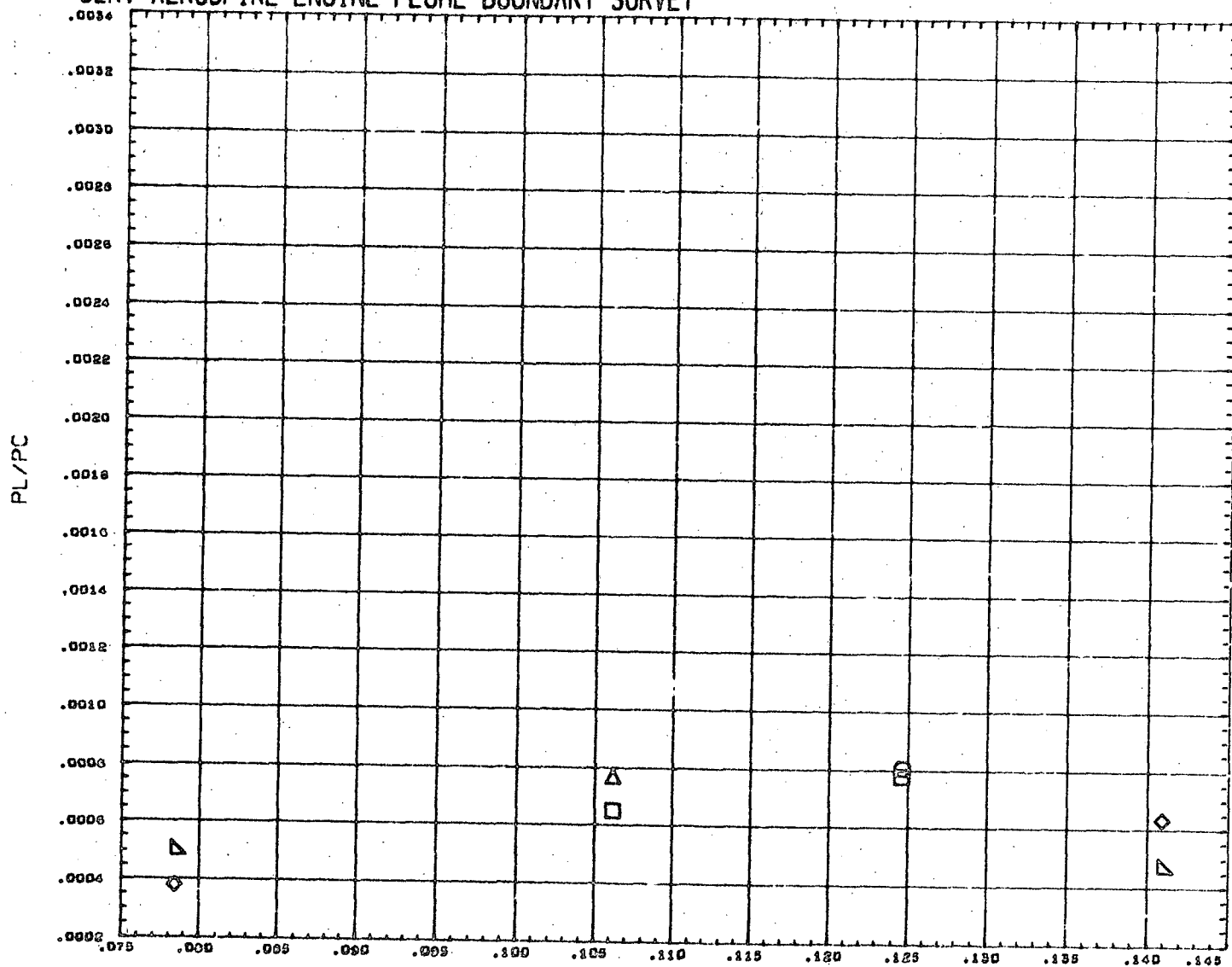
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◇	45.730	299.500	0.001	LREF	27.000	INCHES	0.000	ALPHA	8.022	
△	75.730			BREF	27.000	INCHES	FC	402.996	WS/WFC	0.000
□	78.000			XNRF	0.000	CIAMTR				
◇	120.730			YNRF	0.000	CIAMTR				
◇	123.000			ZNRF	0.000	CIAMTR				

DSFAR8365.F003E CC80 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

SYMBOL

THETA

PRATIO

MACH

SREF
LREF
BREF
XHRP
YHRP
ZHRP

972.557
27.000
27.000
0.000
0.000
0.000

SQ.IN.
INCHES
INCHES
DIAMTR
DIAMTR
DIAMTR

E/DOOR
PC

PARAMETRIC VALUES

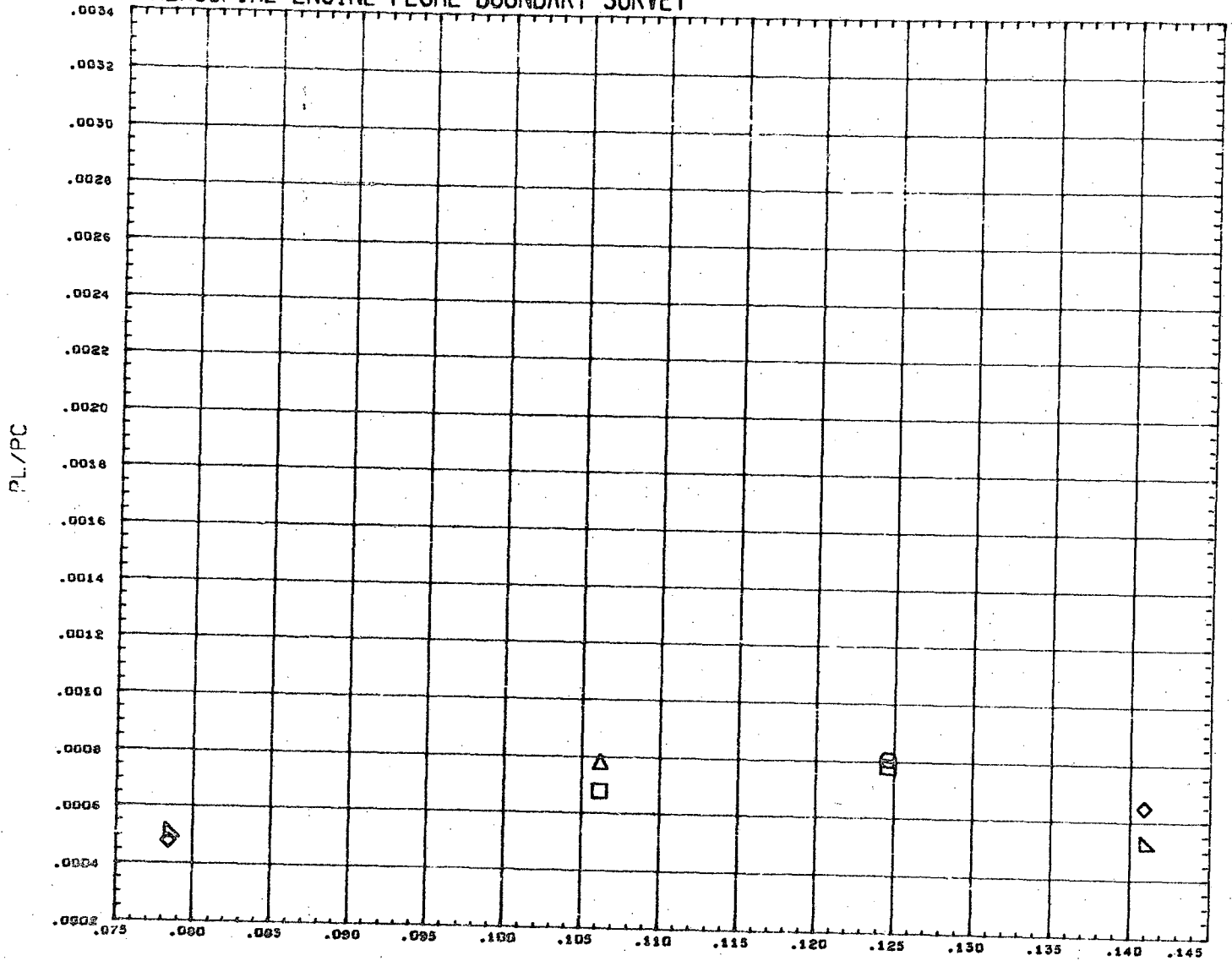
0.000 ALPHA 8.022
402.996 WS/WPC 0.000

BARBARBOO.FSLDE 6600 TN-AP-70-440

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



X/D

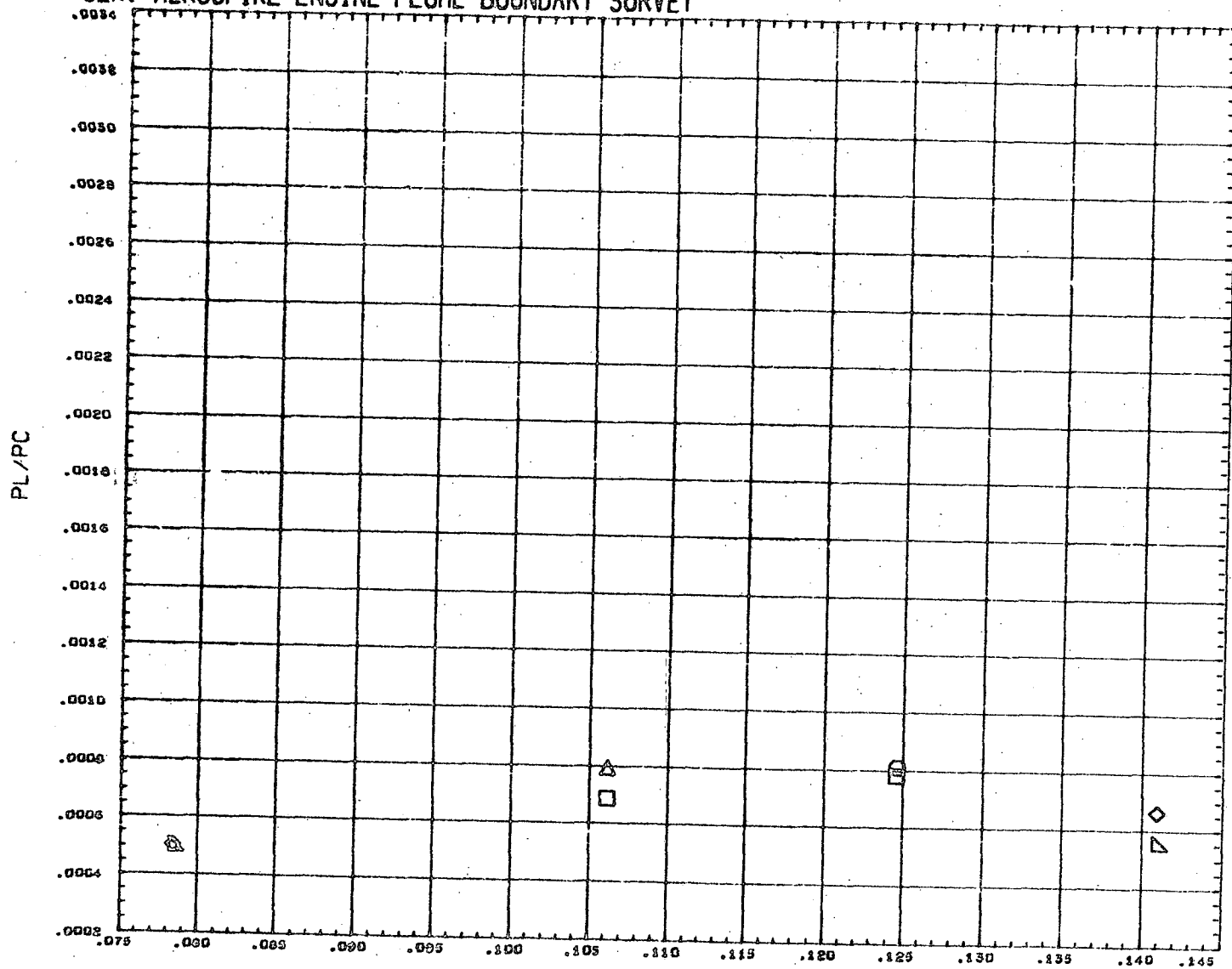
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◇	75.730			BREF	27.000	INCHES		402.996		
◇	78.000			XMRP	0.000	DIAMTR				
◇	125.730			YMRP	0.000	DIAMTR				
◇	123.000			ZMRP	0.000	DIAMTR				

ENTERED FC/BE CC60 TN-AP-70-445

AEDC TF250 CCSD/SERV(SIMULATED JE1) PLUME BNDARY (CT7048)

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SERV AEROSPIKE ENGINE PLUME BOUNDARY SURVEY



SYMBOL	THETA	PRATIO	MACH	SREF	572.557	58.IN.	E/DOOR	PARAMETRIC VALUES
◇	45.730	400.737	1.253	LREF	27.000	INCHES	0.000	ALPHA 8.022
△	75.730			BREF	27.000	INCHES	PC	402.996 WS/WPC 0.000
◇	78.000			XREF	0.000	DIAMTR		
□	120.730			YREF	0.000	DIAMTR		
△	123.000			ZREF	0.000	DIAMTR		

087080068.FE53E CCSD TN-AP-70-448

AEDC TF250 CCSD/SERV(SIMULATED JET) PLUME BNDARY (CT7048)